

**Inquiry Investigations™**  
**Human Biology and Health Issues MODULE - 1287211**  
**Grades: 7-10**

Frey Scientific  
 80 Northwest Boulevard  
 Nashua, NH 03063-4067  
 1-800-225-3739  
 www.freyscientific.com  
 www.freyscientific.com/inquiryinvestigations

**Connecticut Curriculum Frameworks**  
**Science**  
**Grade 7**

DOMAIN / CONTENT STANDARD	CT.SI.	Scientific Inquiry: Scientific inquiry is a thoughtful and coordinated attempt to search out, describe, explain and predict natural phenomena. Scientific inquiry progresses through a continuous process of questioning, data collection, analysis and interpretation. Scientific inquiry requires the sharing of findings and ideas for critical review by colleagues and other scientists.
STATE FRAMEWORK	C.INQ.1.	Identify questions that can be answered through scientific investigation. <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE	C.INQ.2.	Read, interpret and examine the credibility of scientific claims in

FRAMEWORK		<p>different sources of information.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.3.	Design and conduct appropriate types of scientific investigations to answer different questions.

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1:</li> </ul>

		Simulating the Transmission of the Ebola Virus
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>

STATE FRAMEWORK	C.INQ.7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	Draw conclusions and identify sources of error.

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.9.	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1:</li> </ul>

		<p>Testing Taste Receptors in the Tongue</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2:</li> </ul>

		<p>Thermoreceptors - Responding to Heat and Cold</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.SL.	Scientific Literacy: Scientific literacy includes speaking, listening, presenting, interpreting, reading and writing about science. Scientific literacy also includes the ability to search for and assess the relevance and credibility of scientific information found in various print and electronic media.
STATE FRAMEWORK	C.INQ.1.	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.2.	<p>Read, interpret and examine the credibility of scientific claims in different sources of information.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>C.INQ.3.</p>	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ. 7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	<p>Draw conclusions and identify sources of error.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A</li> </ul>

		<p>Closer Look at Blood</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>C.INQ.9.</p>	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin</li> </ul>

		<p>Cells</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.SN.</b>	<b>Scientific Numeracy: Scientific numeracy includes the ability to use mathematical operations and procedures to calculate, analyze and present scientific data and ideas.</b>
<b>STATE FRAMEWORK</b>	<b>C.INQ.1.</b>	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1:</li> </ul>

		<p>Measuring Reaction Time</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.2.	<p>Read, interpret and examine the credibility of scientific claims in different sources of information.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2:</li> </ul>

		<p>Measuring Range of Vision</p> <ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.3.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> </ul>

		<ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ. 7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	<p>Draw conclusions and identify sources of error.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> </ul>

		<ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.9.	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE	C.INQ.10.	Communicate about science in different formats, using relevant science

FRAMEWORK		<p>vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT. 7.2.	Structure and Function: Many organisms, including humans, have specialized organ systems that interact with each other to maintain dynamic internal balance.
STATE	C.15.	Describe the basic structures of an animal cell, including nucleus,

FRAMEWORK		cytoplasm, mitochondria and cell membrane, and how they function to support life.  <ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.16.	Describe the structures of the human digestive, respiratory and circulatory systems, and explain how they function to bring oxygen and nutrients to the cells and expel waste materials.  <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Teacher Resource CD: The Human Machine</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.17.	Explain how the human musculo-skeletal system supports the body and allows movement.  <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Teacher Resource CD: The Human Machine</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>

Connecticut Curriculum Frameworks  
Science  
Grade 8

DOMAIN / CONTENT STANDARD	CT.SI.	Scientific Inquiry: Scientific inquiry is a thoughtful and coordinated attempt to search out, describe, explain and predict natural phenomena. Scientific inquiry progresses through a continuous process of questioning, data collection, analysis and interpretation. Scientific inquiry requires the sharing of findings and ideas for critical review by colleagues and other scientists.
STATE FRAMEWORK	C.INQ.1.	Identify questions that can be answered through scientific investigation.  <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin</li> </ul>

		<p>Cells</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.2.	<p>Read, interpret and examine the credibility of scientific claims in different sources of information.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1:</li> </ul>

		<p>Modeling Kidney Function</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.3.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2:</li> </ul>

		<p>Physical and Microscopic Characteristics of Urine</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2:</li> </ul>

		<p>Exploring Transdermal Drug Delivery</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1:</li> </ul>

		<p>Modeling Kidney Function</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	<p>Draw conclusions and identify sources of error.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.9.	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4:</li> </ul>

		<p>Glucose Test of Simulated Urine Samples</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1:</li> </ul>

		<p>Learning How Pollutants Accumulate in the Lungs</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.SL.</b>	<p><b>Scientific Literacy:</b> Scientific literacy includes speaking, listening, presenting, interpreting, reading and writing about science. Scientific literacy also includes the ability to search for and assess the relevance and credibility of scientific information found in various print and electronic media.</p>
<b>STATE FRAMEWORK</b>	<b>C.INQ.1.</b>	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>STATE FRAMEWORK</b>	<b>C.INQ.2.</b>	<p>Read, interpret and examine the credibility of scientific claims in different sources of information.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.3.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	<p>Draw conclusions and identify sources of error.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2:</li> </ul>

		<p>Thermoreceptors - Responding to Heat and Cold</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.9.	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.SN.	Scientific Numeracy: Scientific numeracy includes the ability to use mathematical operations and procedures to calculate, analyze and present scientific data and ideas.
STATE FRAMEWORK	C.INQ.1.	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.2.	<p>Read, interpret and examine the credibility of scientific claims in different sources of information.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.3.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin</li> </ul>

		<p>Cells</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.4.	<p>Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	C.INQ.5.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.7.	<p>Identify and present relationships between variables in appropriate graphs.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.8.	<p>Draw conclusions and identify sources of error.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	C.INQ.9.	<p>Provide explanations to investigated problems or questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1:</li> </ul>

		<p>Modeling Kidney Function</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>C.INQ.10.</p>	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2:</li> </ul>

		<p>Physical and Microscopic Characteristics of Urine</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.8.2.</b>	<b>Heredity and Evolution: Reproduction is a characteristic of living systems and it is essential for the continuation of every species.</b>
<b>STATE FRAMEWORK</b>	<b>C.26.</b>	<p>Describe the structure and function of the male and female human reproductive systems, including the process of egg and sperm production.</p> <ul style="list-style-type: none"> <li>• Teacher Resource CD: The Human Machine</li> </ul>

Connecticut Curriculum Frameworks  
Science  
Grade 9

<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.SI.</b>	<b>Scientific Inquiry: Scientific inquiry is a thoughtful and coordinated attempt to search out, describe, explain and predict natural phenomena. Scientific inquiry progresses through a continuous process of questioning, data collection, analysis and interpretation. Scientific inquiry requires the sharing of findings and ideas for critical review by colleagues and other scientists.</b>
<b>STATE FRAMEWORK</b>	<b>D.INQ.1.</b>	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.3.	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3:</li> </ul>

		<p>Protein Test of Simulated Urine Samples</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.4.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4:</li> </ul>

		<p>Glucose Test of Simulated Urine Samples</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2:</li> </ul>

		<p>Physical and Microscopic Characteristics of Urine</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.8.</p>	<p>Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3:</li> </ul>

		<p>Protein Test of Simulated Urine Samples</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.9.</p>	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4:</li> </ul>

		<p>Glucose Test of Simulated Urine Samples</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1:</li> </ul>

		<p>Learning How Pollutants Accumulate in the Lungs</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.SL.	<p>Scientific Literacy: Scientific literacy includes the ability to read, write, discuss and present coherent ideas about science. Scientific literacy also includes the ability to search for and assess the relevance and credibility of scientific information found in various print and electronic media.</p>
STATE FRAMEWORK	D.INQ.1.	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.3.	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1:</li> </ul>

		<p>Learning How Our Body is Organized and Functions</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.4.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1:</li> </ul>

		<p>Testing Taste Receptors in the Tongue</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather</p>

		<p>data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.8.	Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.9.	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.SN.	Scientific Numeracy: Scientific numeracy includes the ability to use mathematical operations and procedures to calculate, analyze and present scientific data and ideas.
STATE FRAMEWORK	D.INQ.1.	Identify questions that can be answered through scientific investigation. <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.3.</p>	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6:</li> </ul>

		<p>Contrast and Color Illusions</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.4.</p>	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1:</li> </ul>

		<p>Determining ABO-Rh Blood Type</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5:</li> </ul>

		<p>Typographic Illusions</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.8.	<p>Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6:</li> </ul>

		<p>Contrast and Color Illusions</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.9.</p>	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1:</li> </ul>

		<p>Determining ABO-Rh Blood Type</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.10.</p>	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A</li> </ul>

		<p>Closer Look at Blood</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.9.4.	Chemical Structures and Properties: Properties of Matter: Atoms react with one another to form new molecules.
STATE FRAMEWORK	D.12.	<p>Explain the chemical composition of acids and bases, and explain the change of pH in neutralization reactions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> </ul>
DOMAIN / CONTENT STANDARD	CT.9.5.	Chemical Structures and Properties: Properties of Matter: Due to its unique chemical structure, carbon forms many organic and inorganic compounds.
STATE FRAMEWORK	D.13.	<p>Explain how the structure of the carbon atom affects the type of bonds it forms in organic and inorganic molecules.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>
STATE FRAMEWORK	D.15.	<p>Explain the general formation and structure of carbon-based polymers, including synthetic polymers, such as polyethylene, and biopolymers, such as carbohydrate.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Teacher Resource CD: Human Physiology</li> </ul>

Science  
Grade 10

DOMAIN / CONTENT STANDARD	CT.SI.	Scientific Inquiry: Scientific inquiry is a thoughtful and coordinated attempt to search out, describe, explain and predict natural phenomena. Scientific inquiry progresses through a continuous process of questioning, data collection, analysis and interpretation. Scientific inquiry requires the sharing of findings and ideas for critical review by colleagues and other scientists.
STATE FRAMEWORK	D.INQ.1.	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.3.	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.4.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.8.	<p>Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.9.	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.SL.</b>	<b>Scientific Literacy:</b> Scientific literacy includes the ability to read, write, discuss and present coherent ideas about science. Scientific literacy also includes the ability to search for and assess the relevance and credibility of scientific information found in various print and electronic media.
<b>STATE FRAMEWORK</b>	<b>D.INQ.1.</b>	Identify questions that can be answered through scientific investigation. <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A</li> </ul>

		<p>Closer Look at Blood</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.3.	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.4.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin</li> </ul>

		<p>Cells</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<p>STATE FRAMEWORK</p>	<p>D.INQ.8.</p>	<p>Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.9.	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin</li> </ul>

		<p>Cells</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2:</li> </ul>

		<p>Exploring Transdermal Drug Delivery</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
<b>DOMAIN / CONTENT STANDARD</b>	<b>CT.SN.</b>	<b>Scientific Numeracy: Scientific numeracy includes the ability to use mathematical operations and procedures to calculate, analyze and present scientific data and ideas.</b>
<b>STATE FRAMEWORK</b>	<b>D.INQ.1.</b>	<p>Identify questions that can be answered through scientific investigation.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2:</li> </ul>

		<p>Measuring Range of Vision</p> <ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.3.	<p>Formulate a testable hypothesis and demonstrate logical connections between the scientific concepts guiding the hypothesis and the design of the experiment.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> </ul>

		<ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.4.	<p>Design and conduct appropriate types of scientific investigations to answer different questions.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>

STATE FRAMEWORK	D.INQ.5.	<p>Identify independent and dependent variables, including those that are kept constant and those used as controls.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> </ul>
STATE FRAMEWORK	D.INQ.6.	<p>Use appropriate tools and techniques to make observations and gather data.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> </ul>

		<ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.8.	<p>Use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> </ul>

		<ul style="list-style-type: none"> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>
STATE FRAMEWORK	D.INQ.9.	<p>Articulate conclusions and explanations based on research data, and assess results based on the design of the investigation.</p> <ul style="list-style-type: none"> <li>Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>Virtual Laboratory: Identifying Human Tissues</li> </ul>

STATE FRAMEWORK	D.INQ.10.	<p>Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 1 Lab 1 Activity 1: Learning How Our Body is Organized and Functions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 1: Testing Taste Receptors in the Tongue</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 2: Thermoreceptors - Responding to Heat and Cold</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 3: Distribution and Sensitivity of Touch Receptors</li> <li>• Human Biology and Health Issues: Unit 1 Lab 2 Activity 4: Responding to Sound</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 1: Exploring the Eye-Brain Connection</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 2: Measuring Vision</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 3: Is There a Hole in Your Hand?</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 4: Photographic Ambiguities</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 5: Typographic Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 3 Activity 6: Contrast and Color Illusions</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 1: Determining ABO-Rh Blood Type</li> <li>• Human Biology and Health Issues: Unit 1 Lab 4 Activity 2: A Closer Look at Blood</li> <li>• Human Biology and Health Issues: Unit 2 Lab 5 Activity 1: Testing for Food Nutrient Content</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 2: Physical and Microscopic Characteristics of Urine</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 3: Protein Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 4: Glucose Test of Simulated Urine Samples</li> <li>• Human Biology and Health Issues: Unit 3 Lab 8 Activity 1: Learning How Pollutants Accumulate in the Lungs</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 1: Measuring Reaction Time</li> <li>• Human Biology and Health Issues: Unit 4 Lab 10 Activity 2: Measuring Range of Vision</li> <li>• Virtual Laboratory: Identifying Human Tissues</li> </ul>
DOMAIN / CONTENT STANDARD	CT.10.1.	Cell Chemistry and Biotechnology: Fundamental life processes depend on the physical structure and the chemical activities of the cell.

STATE FRAMEWORK	D.30.	<p>Explain the role of the cell membrane in supporting cell functions.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 2 Lab 7 Activity 1: Modeling Kidney Function</li> <li>• Teacher Resource CD: Human Physiology</li> </ul>
DOMAIN / CONTENT STANDARD	CT.10.2.	Cell Chemistry and Biotechnology: Science and Technology in Society: Microorganisms have an essential role in life processes and cycles on Earth.
STATE FRAMEWORK	D.31.	<p>Describe the similarities and differences between bacteria and viruses.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Teacher Resource CD: Human Health Issues and Disease</li> </ul>
STATE FRAMEWORK	D.32.	<p>Describe how bacterial and viral infectious diseases are transmitted, and explain the roles of sanitation, vaccination and antibiotic medications in the prevention and treatment of infectious diseases.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 1: Demonstrating Selective Permeability in Simulated Skin Cells</li> <li>• Human Biology and Health Issues: Unit 2 Lab 6 Activity 2: Exploring Transdermal Drug Delivery</li> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Teacher Resource CD: Human Health Issues and Disease</li> <li>• Teacher Resource CD: Human Physiology</li> </ul>
STATE FRAMEWORK	D.33.	<p>Explain how bacteria and yeasts are used to produce foods for human consumption.</p> <ul style="list-style-type: none"> <li>• Teacher Resource CD: Human Health Issues and Disease</li> </ul>
DOMAIN / CONTENT STANDARD	CT.10.4.	Genetics, Evolution and Biodiversity: Heredity and Evolution: In sexually reproducing organisms, each offspring contains a mix of characteristics inherited from both parents.
STATE FRAMEWORK	D.39.	<p>Describe the difference between genetic disorders and infectious diseases.</p> <ul style="list-style-type: none"> <li>• Human Biology and Health Issues: Unit 3 Lab 9 Activity 1: Simulating the Transmission of the Ebola Virus</li> <li>• Teacher Resource CD: Human Health Issues and Disease</li> </ul>