

# Kit Materials List

1	Activated carbon, 100 g*	10	Needles, teasing
1	Bacteria, nitrifying pellets, p/2 g*	1	Nitrate pollutant, 30 mL*
1	Bacteria, oil-hungry, 5 g*	1	Oil, refined motor, 30 mL*
70	Bags, resealable, sandwich size (6"×6")*	10	Pellets, owl*
10	Bags, resealable, small (3"×5")*	10	Pencils, colored set of green, yellow, red, orange, and blue†
1	Bleach 2%, solution, 125 mL*	10	Pencils, wax
1	Book, <i>Guide to Microlife</i>	50	Petri plates†
20	Bottles, glass, 30 mL (with screw caps)	10	Petri plates, 3-chamber†
10	Bottles, spray	70	Pipets, plastic, 1 mL
1	Brine shrimp eggs, 6 g*	1	Poster, Ecology of Vernal Pools†
30	Caps, for clear plastic tubes	1	Poster, Owl Pellets†
10	Capsules, test for nitrogen (maroon capsule)*	1	Potassium aluminum sulfate, 30 g*
10	Capsules, test for pH (green capsule)*	40	Pots, for planting
10	Capsules, test for phosphorus (blue capsule)*	1	Red dye solution, 30 mL*
10	Capsules, test for potassium (orange capsule)*	1	Rubber bands, pkg (approximately 300)
10	Cheese cloth, 6-inch square pieces*	10	Rulers, 12-inch
5	Clay, modeling, sticks*	2	Salt (NaCl), 25 g*
10	Containers, plastic	1	Sand, black, 3 lbs†*
1	Copper sulfate 1.5%, 30 mL*	1	Sand, coarse, 5 lbs†*
1	Cover slips, p/100*	1	Sand, fine, 3 lbs†*
1	Cup, Styrofoam*	3	Scoops, plastic
100	Cups, medicine	1	Seeds, irradiated, 500 gy, 4 g*
30	Cups, plastic, clear, 10 oz	1	Seeds, irradiated, 150 gy, 4 g*
2	Density indicator cards, sheets/5	1	Seeds, irradiated, 50 gy, 4 g*
20	Discs, opaque, blue	2	Seeds, radish, p/4 g*
1	Fertilizer, 3 g*	10	Sieves, plastic, 3 mm diameter holes
10 pr.	Forceps	10	<i>Soil Test Color Chart</i> , sheets
1	Gravel, 2.75 lbs†*	2	Soil, p/3 lbs†*
1	<i>Habitat</i> board, blue	2	Soil, potting, bags†*
1	<i>Habitat</i> board, burgundy	10	Spoons, plastic
1	<i>Habitat</i> board, green	10	Spot plates
1	<i>Habitat</i> board, red	1	Stormwater runoff without salt, simulated, 30 mL*
1	<i>Habitat</i> board, yellow	1	Stormwater runoff with salt, simulated, 30 mL*
1	<i>Habitat</i> cards, set of 200	1	String, cellulose, 2 ft*
10	Index cards, p/100*	1	String, nylon, 2 ft*
1	Iodine solution, 2%, 15 mL*	5	String, rolls*
70	Labels, for planting pot	1	String, yarn, 2 ft*
2	Loeffler's methylene blue stain, bottle/30 mL*	1	Sucrose, 200 g*
10	Magnifying glasses	10	Swabs, cotton, sterile*
1	Microbial mixture, 1 oz*	20	Tablets, Alka-Seltzer®*
1	Microscope slide, p/72		

To order consumable items, please call 1-800-225-3739.

- 20 Tablets, test for chlorine\*
- 20 Tablets, test for copper\*
- 40 Tablets, test for dissolved oxygen\*
- 20 Tablets, test for hardness\*
- 60 Tablets, test for nitrate\*
- 20 Tablets, test for phosphate\*
- 4 Tape measures
- 1 Test strips, pH, pkg (approximately 300)\*
- 40 Test tubes
- 10 Thermometers, soil†
- 10 Trays, watering
- 10 Trowels, small†
- 30 Tubes, clear plastic†
- 20 Tubes, culture, with cap
- 30 Vials, glass, with screw cap
- 1 Vinegar, (5% acetic acid), 125 mL\*
- 10 *Water Pollutants Color Charts*, sheet
- 1 Water sample, unknown #1, 120 mL\*
- 1 Water sample, unknown #2, 120 mL\*
- 1 Yeast, baker's, p/3\*
  
- 1 Curriculum Guide
- 1 Curriculum Resource CD-ROM

\* = consumable item

† = in separate box

**Teacher-Provided Items**

- 1 Aluminum foil, piece
- Aprons (per student)
- 1 Balance, digital (readability 0.01 g)
- 1 Beaker, 1 L
- 3 Beakers, 500 mL
- 1 Beaker, 200 mL
- 1 Beaker, 100 mL
- 20 Bottles, 2-L plastic, soda (empty)
- 1 Bucket, 5 gallon
- 1 Bunsen burner
- 10 Calculators (optional)
- 10 Clothespins
- 1 Erlenmeyer flask, 500 mL

- Gloves (per student)
- 10 Graduated cylinders, 50 mL
- 1 Graduated cylinder, 100 mL
- 10 Graduated cylinders, 200 mL
- 1 Graduated cylinder, 500 mL
- 4 Guides, Tree identification
- 1 Humidity probe (hygrometer) (optional)
- 1 Incubator, 37° (optional)
- 1 Jar or beaker, wide-mouth
- 20 Jars, collection (with screw cap) – baby food jars will work well
- 20 Lamps with 100W bulbs
- 1 Light, plant grow
- 10 Microscopes, compound light (400x)
- 10 Microscopes, stereo
- Microwave oven
- 1 Paper towel, roll
- 10 pc. Paper, newspaper
- 11 Paper, white/sheets
- Parafilm
- 40 Pencils
- 1 Pipet, 1 mL, graduated
- 1 Pipet, 5 mL, graduated
- 10 Plates, paper
- 10 Rods, stirring, glass
- Safety goggles (per student)
- 10 pr. Scissors
- 10 Spoons or stirring rods
- 10 Stopwatches
- 4 Study zone maps
- 1 Tape, masking, roll
- 1 Tape, roll
- 10 Test tube, racks
- 10 Thermometers
- 1 Toothpicks, box
- 1 Vaseline, jar
- Water, distilled or bottled
- 1 Wrap, plastic, roll

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