

Activity Three: Focus Questions for Phases of the Moon

1. The Moon's appearance changes slightly each day. Using the Moon Phase Clock from Activity One and the date of the last third quarter moon, determine the date when the next third quarter moon will appear.

2. The expression "it happens once in a blue moon" means something occurs very rarely. Sometimes people refer to a "blue moon" as the second full moon of the month. Explain how two full moons could occur in one month. How often would you expect this to happen? Why?

3. Assuming that the sky is clear and that your vision is acute, is it possible to look into the daytime sky and not see the Sun or the Moon? Is it possible to look into the nighttime sky and not see the Sun or the Moon? Please explain your answers.
