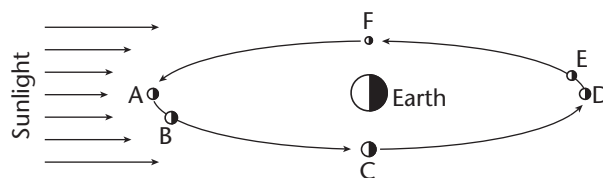


**Earth, Moon, and Sun** ▪ 12.3 Review and Reinforce**Phases, Eclipses, and Tides****Understanding Main Ideas**

Use the following figure to answer questions 1 and 2. Write your answers on a separate sheet of paper.

1. What phases of the moon would someone on Earth see when the moon is at positions A through F?
2. What kind of tide (spring or neap) will occur when the moon is at positions A, C, D, and F?

**Building Vocabulary**

From the list below, choose the term that best completes each sentence, and write it in the blank.

phase	lunar	eclipse	spring	neap
tides	penumbra	umbra	solar	

3. A(n) \_\_\_\_\_ tide occurs when the sun is at right angles to the line between Earth and the moon.
4. A(n) \_\_\_\_\_ occurs when the moon's shadow hits Earth or Earth's shadow hits the moon.
5. A person standing in the moon's \_\_\_\_\_ would see a partial solar eclipse.
6. Differences in the moon's pull on different parts of Earth cause \_\_\_\_\_.
7. A person standing in the moon's \_\_\_\_\_ would see a total solar eclipse.
8. The \_\_\_\_\_ of the moon you see depends on how much of the sunlit side of the moon faces Earth.
9. A(n) \_\_\_\_\_ tide occurs when the sun, moon, and Earth line up.
10. A(n) \_\_\_\_\_ eclipse occurs at a full moon when Earth is directly between the moon and the sun.
11. A(n) \_\_\_\_\_ eclipse occurs when the moon passes between Earth and the sun.