

SECTION 20-2

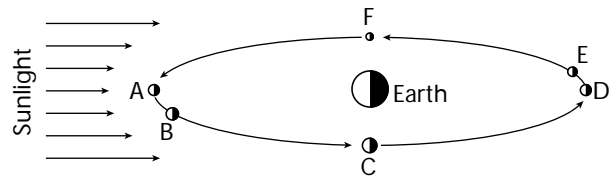
REVIEW AND REINFORCE

Phases, Eclipses, and Tides

◆ Understanding Main Ideas

Use the following figure to answer questions 1 and 2. Write your answers on the back of this page or 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 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.

- | | | | | |
|---------|-------|---------|-------|----------|
| phase | tides | gravity | lunar | penumbra |
| eclipse | umbra | spring | solar | neap |

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 depend 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.
12. The force of _____ pulls the moon and Earth toward each other.