

1. What phases of the moon would someone on Earth see when the moon is at positions A through F?

Phase at A _____

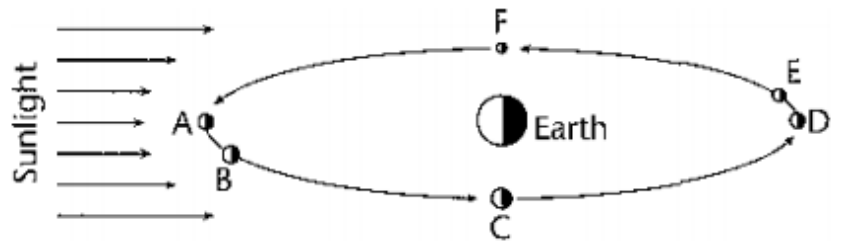
Phase at B _____

Phase at C _____

Phase at D _____

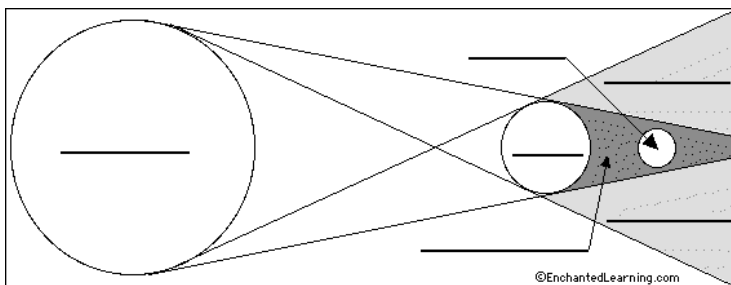
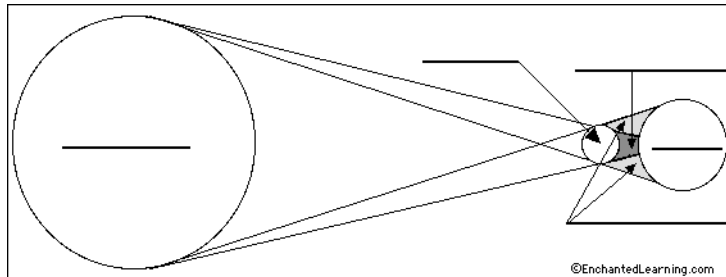
Phase at E _____

Phase at F _____



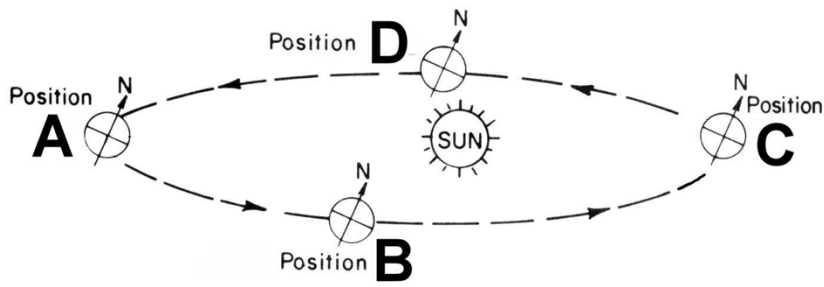
2. Illustrate Neap and Spring tides in the space below.

3. Label the eclipse diagrams below.



4. Draw/label a diagram like the ones in #3 above showing the Sun/Earth/Moon system in such a way that would produce a full moon but would **not** produce a lunar eclipse.

5. Label and describe each of the positions A-D in the diagram below.



6. Compare and contrast a solar day vs a sidereal day and a solar month vs a sidereal month.

7. Describe/illustrate (pictures/diagrams could be really helpful here) the 3 Milankovitch cycles and their impact upon Earth over long periods of time.

A) Precession

B) Eccentricity

C) Obliquity (Tilt)