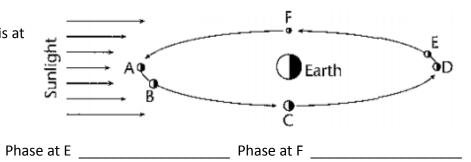
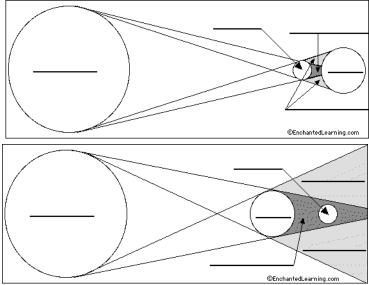
1. What phases of the moon would someone on Earth see when the moon is at positions A through F?

Phase at A \_\_\_\_\_\_
Phase at B \_\_\_\_\_
Phase at C \_\_\_\_\_
Phase at D



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 <u>full moon</u> but would <u>not</u> produce a <u>lunar eclipse</u>.

5. Label and  $\underline{\text{describe}}$  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)