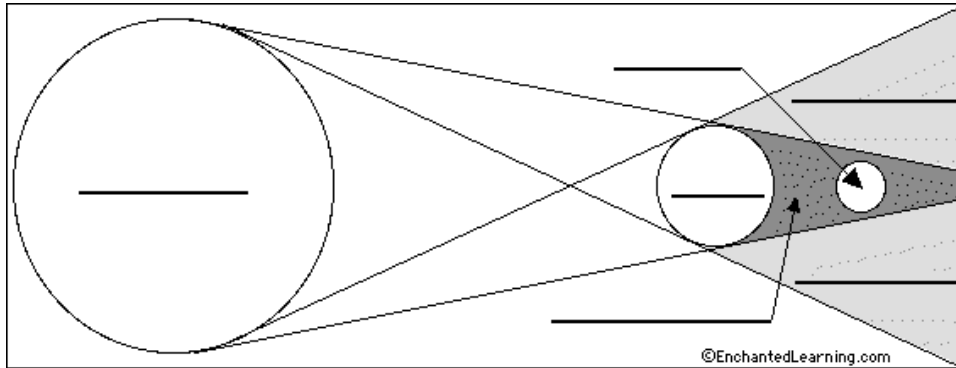


Lunar Eclipse



Earth - the planet on which we live.

Moon - the natural satellite of the Earth.

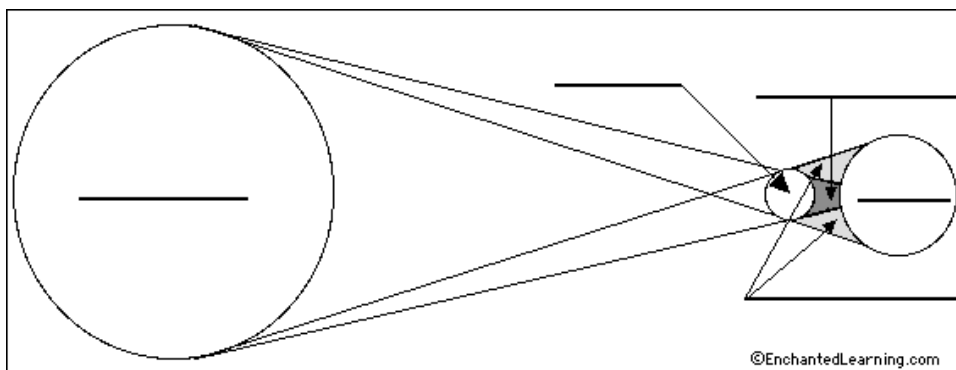
Sun - the star in the center of our Solar System.

Penumbra - the area in which the shadow of an object (in this case, the Earth on the moon) is partial.

Umbra - the area in which the shadow of an object (in this case, the Earth on the moon) is total.

When the entire moon is in the Earth's umbra, we experience a total lunar eclipse. When part of the moon is in the Earth's umbra, we experience a partial lunar eclipse.

The Solar Eclipse



Earth - Moon - Sun

Penumbra - the area in which the shadow of an object (the moon on the Earth) is partial, and the area in which a partial solar eclipse is experienced.

Umbra - the area in which the shadow of an object (the moon on the Earth) is total, and the area in which a total solar eclipse is experienced.

Name: _____

Name: _____

In your own words, explain the difference between a solar eclipse and a lunar eclipse? What is happening during each phase? During which moon phase does each eclipse occur?