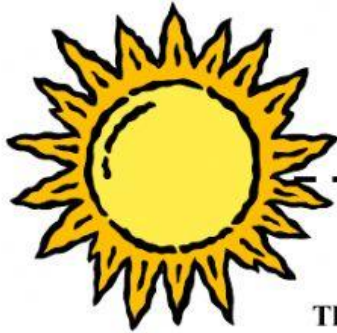
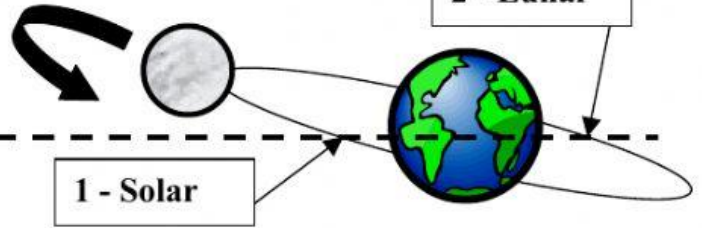


Name _____ Date _____

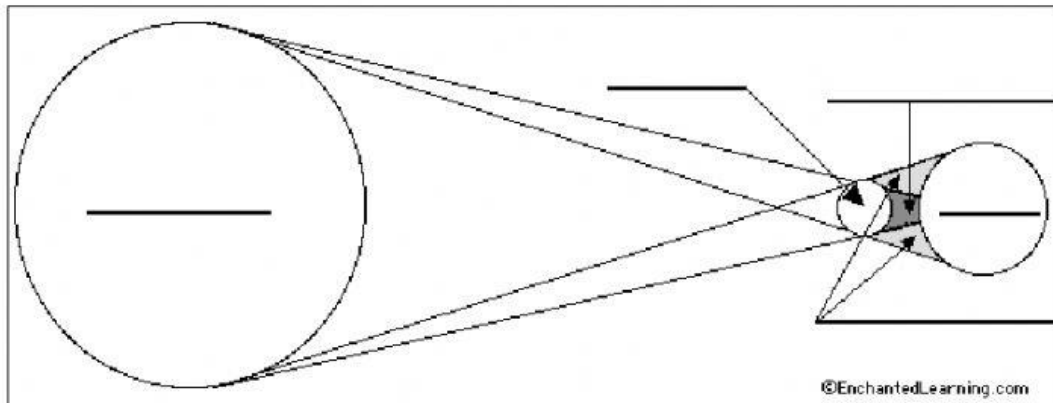


Eclipses

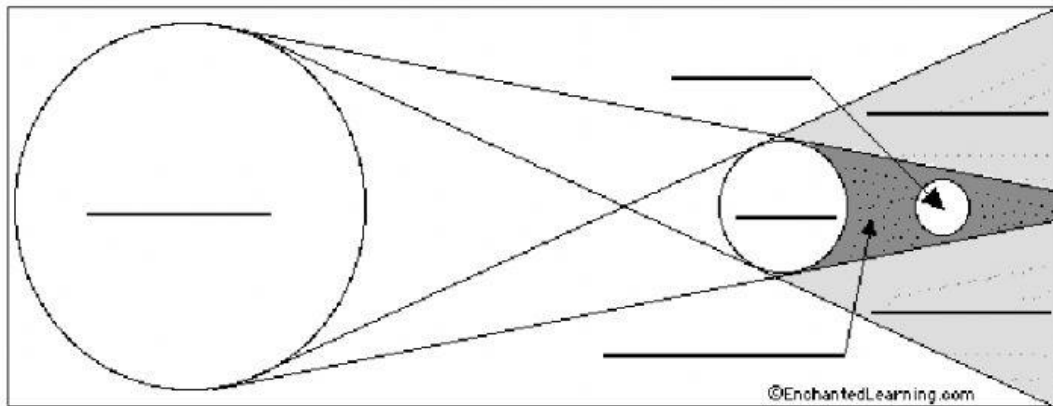


The moon's orbit is tilted 5 degrees from the Earth's orbit. There are two points in this orbit that can cause an eclipse to occur.

1



2



Fill in the blanks using this word bank & then color in the diagram:

Earth – (BLUE) the planet on which we live.

Moon – (WHITE) the natural satellite of the Earth.

Penumbra – (GRAY) 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.

Sun – (YELLOW) the star in our Solar System.

Umbra – (BLACK) 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.

<http://www.middleschoolscience.com/> 2004 with diagrams from - <http://www.enchantedlearning.com/>