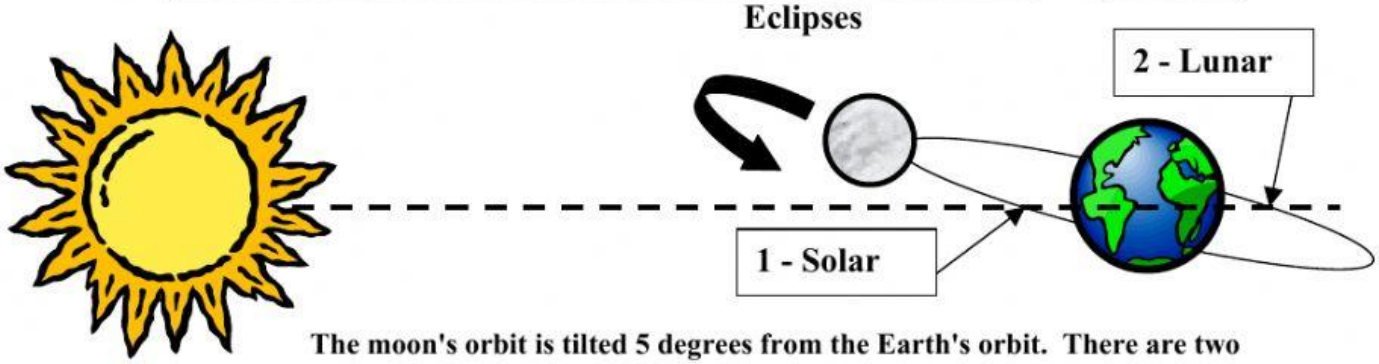
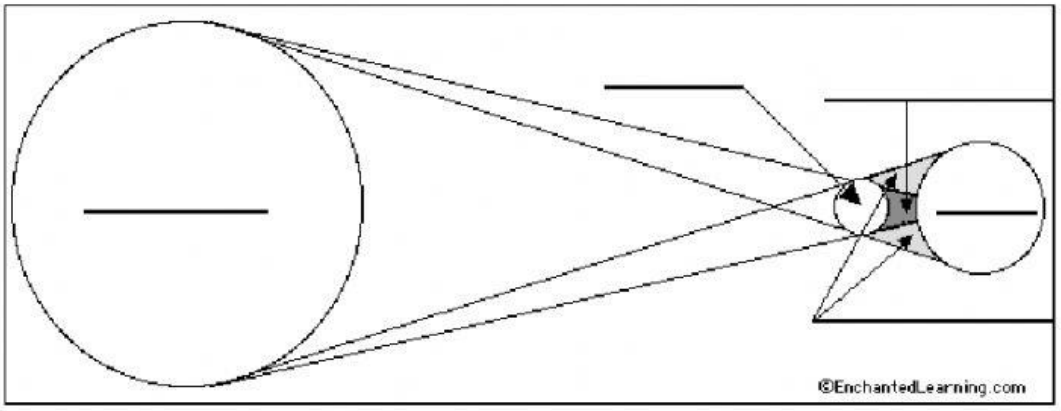
Name _____ Date _____

Eclipses

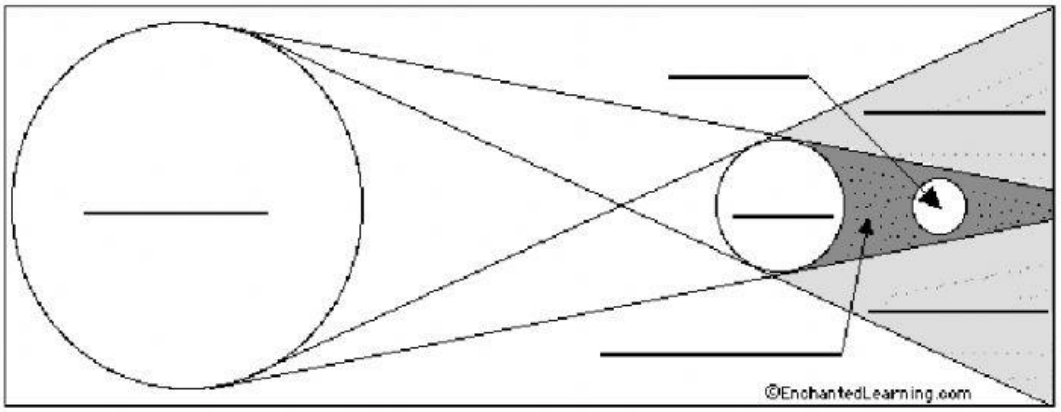


The moon's orbit is tilted 5 degrees from the Earth's orbit. There are two points in this orbit that can cause an eclipse to occur.

1



2



<u>Fill in the blanks using this word bank & then color in the diagram</u>:

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/