

Lunar and Solar Eclipses

These drawings show the relative positions of the Sun, the Earth, and the Moon during eclipses.

Label each drawing as either a LUNAR or a SOLAR eclipse. Remember, an eclipse is named after the object that is **disappearing** as viewed from the earth. Fill in the rest of the blank boxes with the proper responses (as listed below).

Slightly shade in the area where the partial and complete shadows fall.

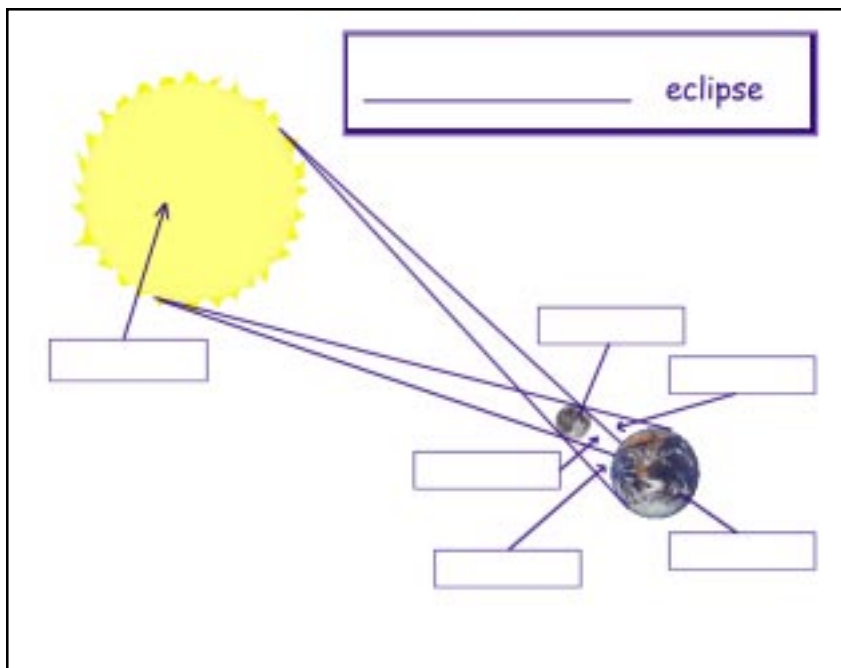
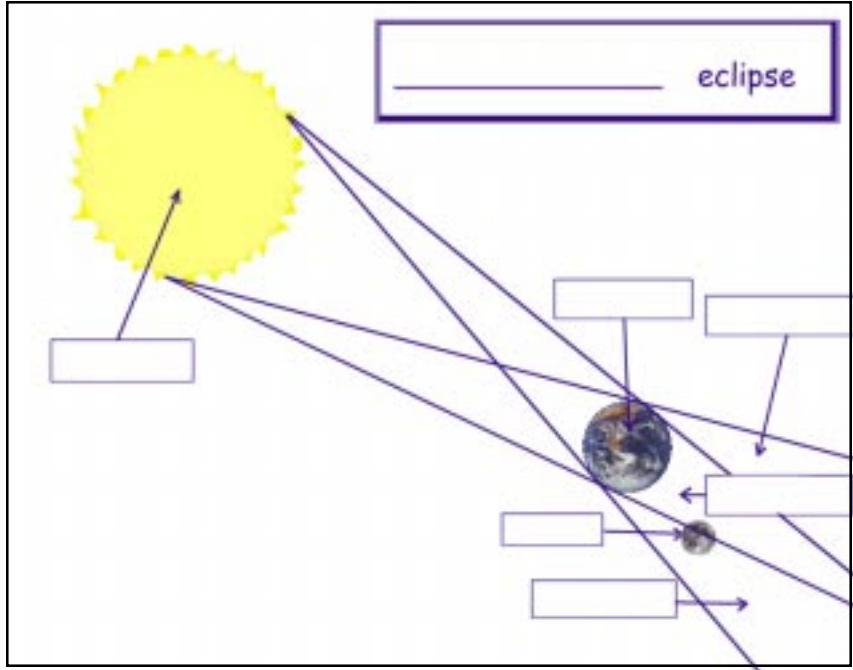
Earth - Third planet from the Sun - our home planet.

Moon - The only natural satellite of the Earth.

Sun - Earth's star - approximately 93,000,000 miles away or 1 AU (*astronomical unit*).

Penumbra - The area where a **partial** shadow falls, and where only a partial eclipse may be seen.

Umbra - The area where a **complete** shadow falls, and where total eclipse may be seen.



Obviously, objects are NOT drawn to scale!