

2017 - Solar Eclipse Study Guide

Eclipses occur the shadow of one celestial body, such as a planet, falls on another celestial body. When might a Solar Eclipse occur?

When the moon is between the Earth and the sun,

How does the moon appear when an observer is located within the Umbra of the Moon's Shadow on the Earth's Surface?

The Sun is BEHIND the Moon

What best describes the conditions for a solar eclipse?

The Conditions for the Solar Eclipse is when the passes directly between the Sun and Earth

What can happen when the moon passes between the sun and Earth?

The Moon blocks the light of the Sun

What happens during a total solar eclipse?

The moon appears to fully cover the disk of the sun.

What is the line up for a Solar Eclipse?

SUN - MOON - EARTH
or
EARTH - MOON - SUN

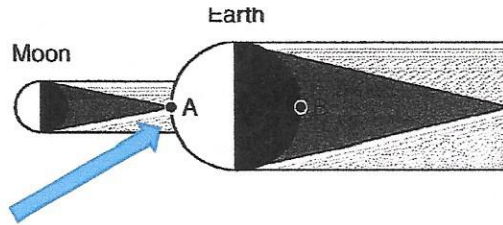
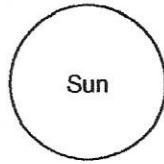
Which event is sometimes observable from Earth when the moon is directly between Earth and the Sun?

Solar Eclipse

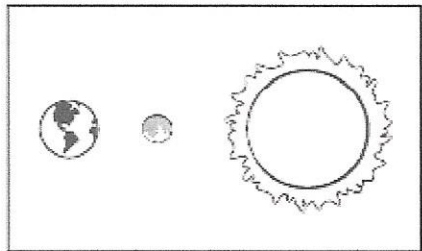
Why can't we see a solar eclipse every month?

Because the Moon's orbit is tilted.

Solar Eclipses Diagrams



Solar Eclipse at Point A



Line Up: Earth Moon Sun
 Or
 Sun Moon Earth

