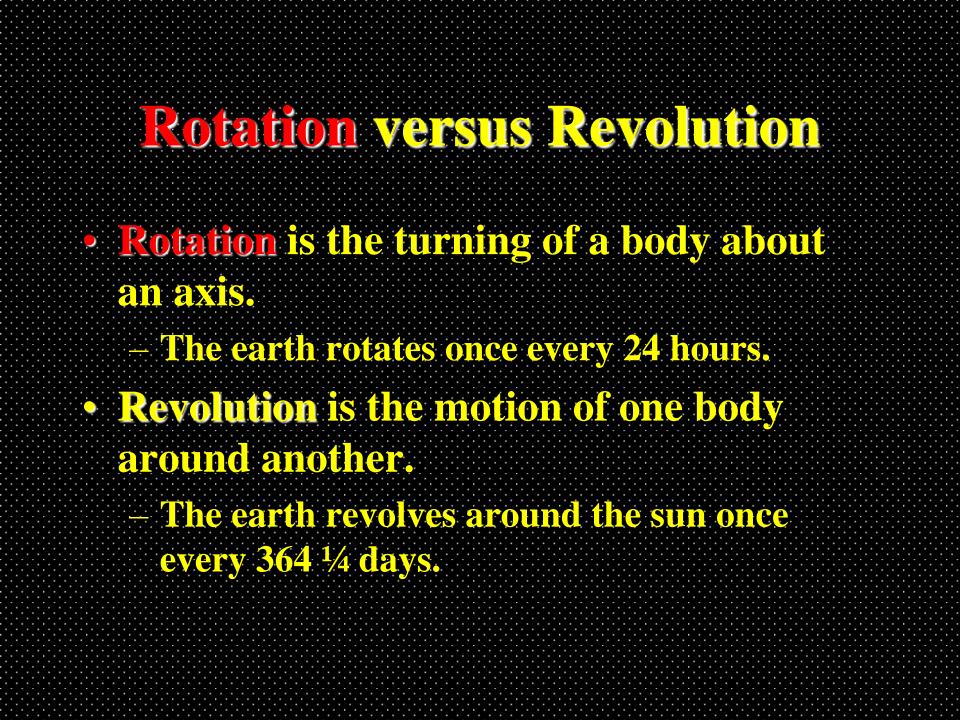
Earth Moon Sun Relationships



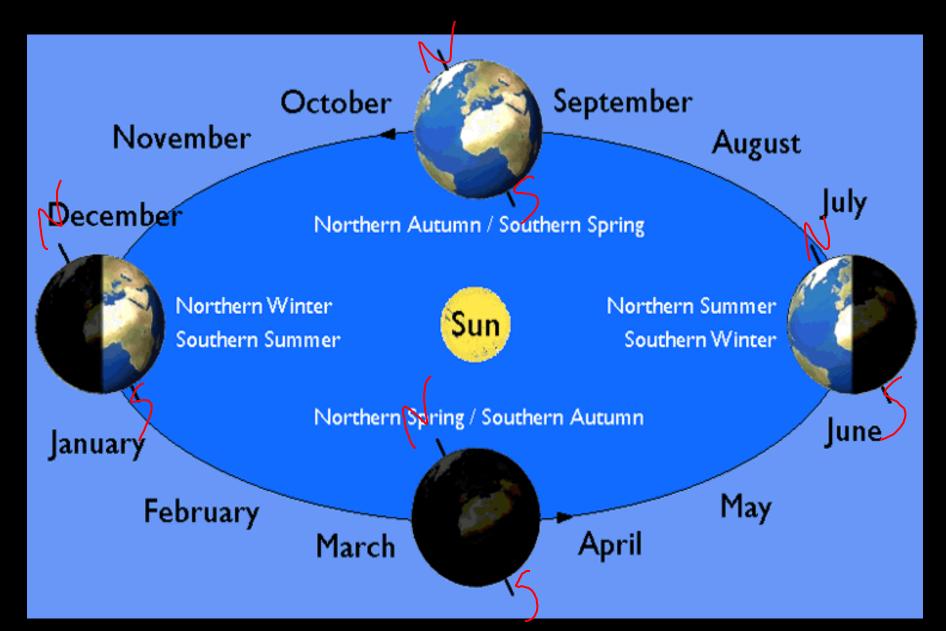
Why Does the Length of Day on Earth Change?

• The tilt of the Earth's axis, and the rotation and revolution of the Earth is responsible for the changes in the length of day and night.

Why Do We Have Seasons?

The tilt of the Earth's axis and the revolution around the Sun cause the Earth to have seasons.

Earth's Seasons - Year



Sederlam + 0.4.3

for=0.010 FP5 62.8

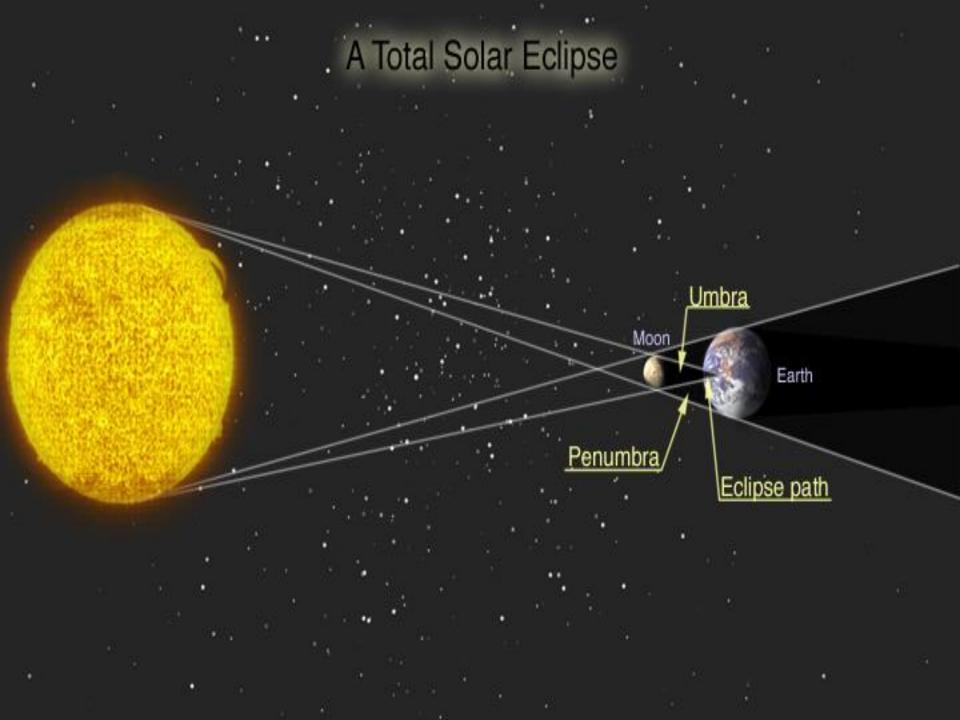
MOL/2002 01:502 Name Luna NA 1:00h 35m 3:43k DC 1:0:95kg Distance 1:0:0026 AU

Why Does The Moon Have Phases?

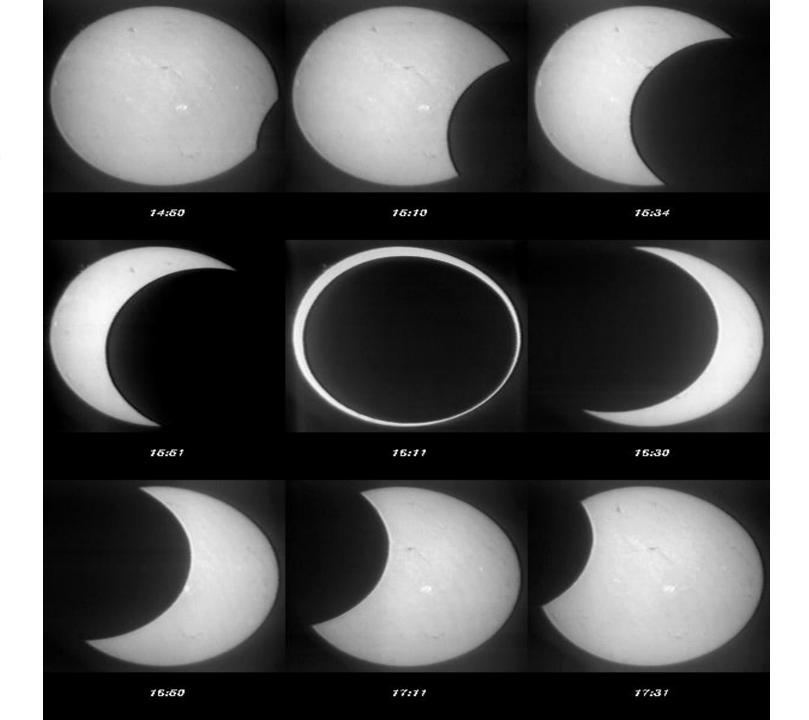
- Phases of the moon are determined by:
 - The relative positions of the earth, moon and sun.
 - Revolution of moon around the earth.
 - Your position on the earth.

What is a Solar Eclipse?

A Solar Eclipse is when the Sun is
blocked from view by the moon.
The moons orbital path places it in between the earth and the sun.



Phases of a solar eclipse



Solar Eclipse



What is a Lunar Eclipse?

- A Lunar eclipse is when the moon is blocked by the shadow of the earth.
 - The moon's orbital path takes it into the shadow of the earth.

Phases of a Lunar eclipse



Solar versus Lunar Eclipse

