

Space Notes part 2

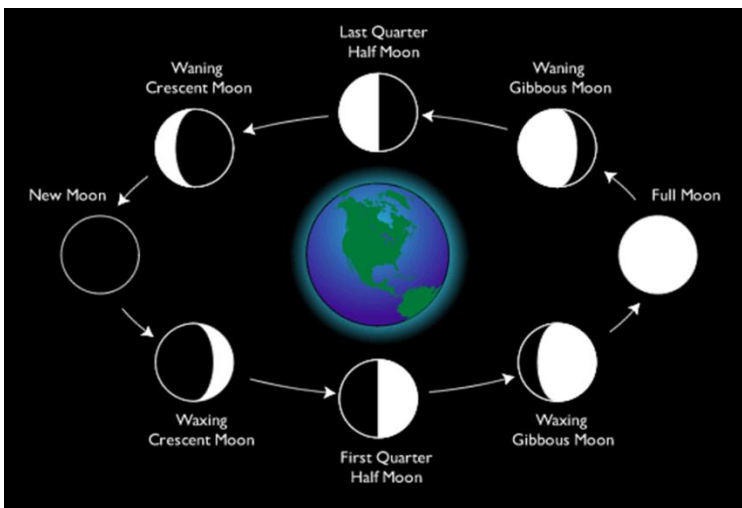
The Moon does not create its own light. It is only visible because it reflects sunlight.

Half of the moon is always in sunlight and the other half is always in shadow.

The Moon completes a cycle of phases every 29.5 days.

As the lit portion of the Moon becomes larger, the Moon is WAXING.

As the lit portion of the Moon becomes smaller, the Moon is WANING.



During a LUNAR ECLIPSE, Earth's shadow completely or partially covers the Moon.

During a SOLAR ECLIPSE, a small part of the Earth is in the Moon's shadow.

The Moon has a 5° tilt to the Earth.

The Moon is $\frac{1}{4}$ the size of Earth. It takes 27.3 days to orbit the Earth once.

The same side of the Moon always faces the Earth because the Moon revolves and rotates in the same amount of time.