



Knowledge



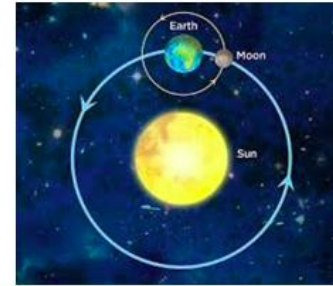
The Sun is the star at the centre of our solar system.

There are 8 planets in our solar system: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. These all orbit the Sun.

- M**y - Mercury
- v**ery - Venus
- e**asy - Earth
- m**ethod - Mars
- j**ust - Jupiter
- S**peeds- Saturn
- u**p - Uranus
- n**aming - Neptune
- planets**

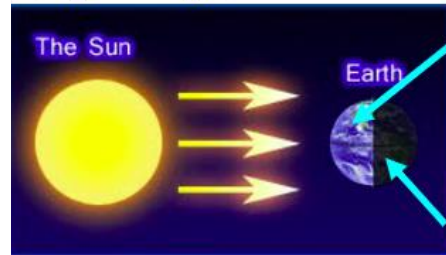
A Year on Earth

The Earth orbits the Sun. It takes 365½ days to complete its orbit around the Sun. This is a year.
The moon orbits the Earth. It takes about 28 days to complete its orbit.



The phases of the moon are caused by its orbit around the Earth. As the moon orbits the Earth, we can see a different amount of the moon lit by the sun.

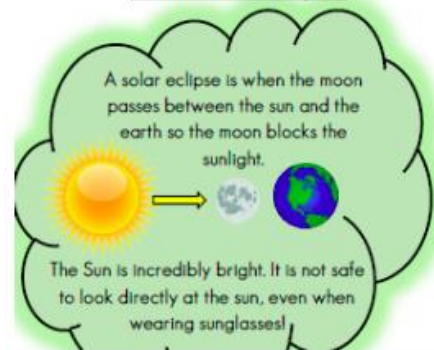
Day and Night



It is day for the half of the Earth facing the Sun.

It is night for the half of the Earth facing away from the Sun.

The Solar Eclipse



A solar eclipse is when the moon passes between the sun and the earth so the moon blocks the sunlight.

The Sun is incredibly bright. It is not safe to look directly at the sun, even when wearing sunglasses!

Earth - the planet we live on. Third planet from the Sun.

Sun - star at the centre of our solar system.

Moon - only natural satellite of Earth.

Planets - large, mainly spherical objects, made of rock or gas, that orbit around the sun.

Solar system - the sun and all the planets that orbit around it.

Star - huge ball of glowing gas in space.

Rotate - when an object rotates, it turns (spins) on its axis.

Orbit - curved path an object follows around a star or planet.

Celestial body - natural object that exists outside the Earth's atmosphere e.g. moon, comets, asteroids.

Geocentric model - theory all planets orbit Earth.

Heliocentric model - correct theory all planets orbit around the Sun.