Year 5 - Earth and Space

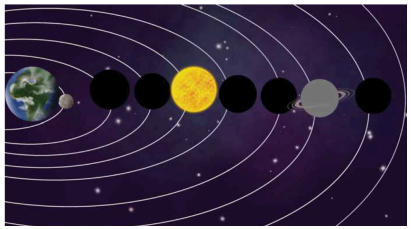
Physics

Key vocabulary

Earth	The planet that we live on. It is the third planet from the Sun.
Sun	The Sun is the star at the centre of our solar system.
Moon	The moon is the only natural satellite of the Earth.
planets	Large round objects, made of rock or gas, that move around the sun.
solar system	The sun and all the planets that orbit around it.
star	A huge ball of glowing gas in space.
rotate	When an object rotates it turns (spins) on its axis.
orbit	The curved path that an object follows going around a star or a planet.
Celestial body	A natural object that exists outside the Earth's atmosphere, e.g. stars, planets, asteroids, comets and meteoroids,

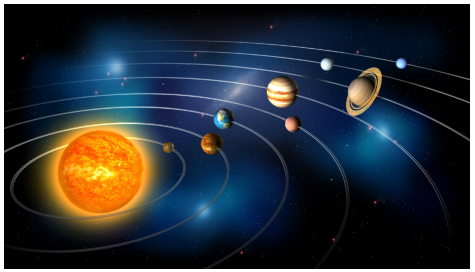
Geocentric Model of the Solar System

This was a suggested idea from Ptolemy. This is not accepted nowadays.



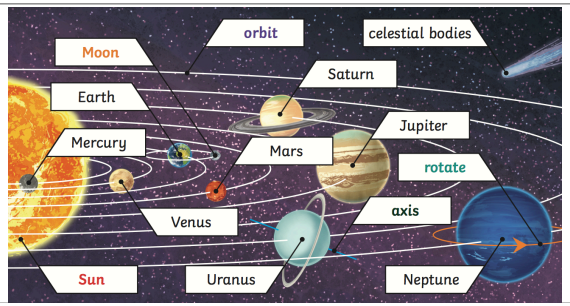
Heliocentric Model of the Solar System

This was suggested by Nicholas Copernicus and is accepted nowadays.



The Solar System

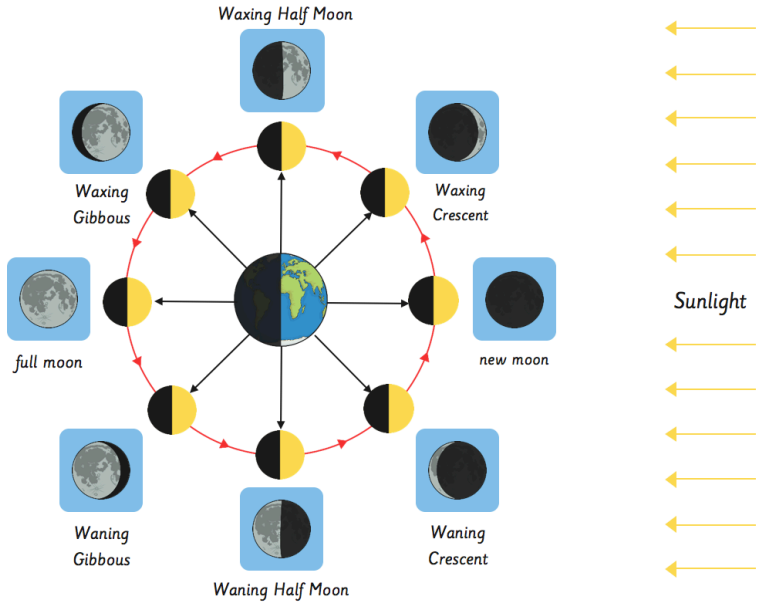
There are 8 planets in our Solar System; Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. They all orbit the sun.

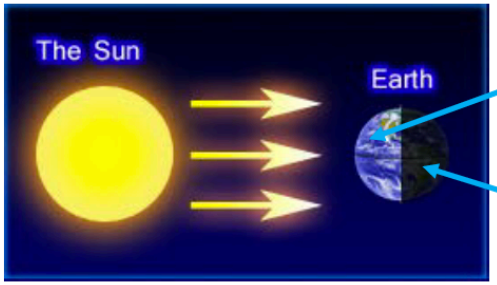


Phases of the Moon

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 is lit by the sun from the Earth.





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

It is night for the half of the Earth facing the Sun