

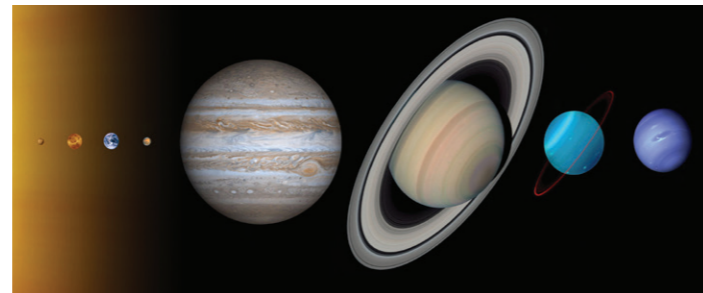


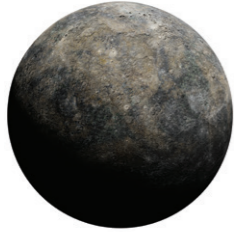



Glossary

1	<b>atmosphere</b>	the gases surrounding the Earth or another planet	11	<b>orbit</b>	to move around something repeatedly in a circular or almost circular motion
2	<b>axis</b>	the imaginary line about which a planet (or other body) rotates	12	<b>planet</b>	a body which orbits the Sun
3	<b>equator</b>	an imaginary line around the centre of the Earth	13	<b>rotate</b>	to spin in a circle motion around a fixed point
4	<b>galaxy</b>	a system of millions or billions of stars	14	<b>season</b>	a period of the year characterised by a particular climate or conditions
5	<b>geocentric</b>	the belief that the Earth is at the centre of the Solar System	15	<b>Solar System</b>	the collection of eight planets, their moons and everything which orbits the Sun
6	<b>heliocentric</b>	the belief that the Sun is at the centre of the Solar System	16	<b>spherical</b>	shaped like a sphere
7	<b>hemisphere</b>	half of a sphere — one half of the Earth	17	<b>star</b>	a burning ball of gas found in space
8	<b>lunar</b>	something which involves the Moon	18	<b>Sun</b>	the star at the centre of our Solar system
9	<b>Milky Way</b>	the galaxy we live in	19	<b>time zone</b>	a geographic region where the same standard time is used in all places
10	<b>moon</b>	a body which orbits a planet — a natural satellite	20	<b>universe</b>	all existing matter and space

What is the Solar System?

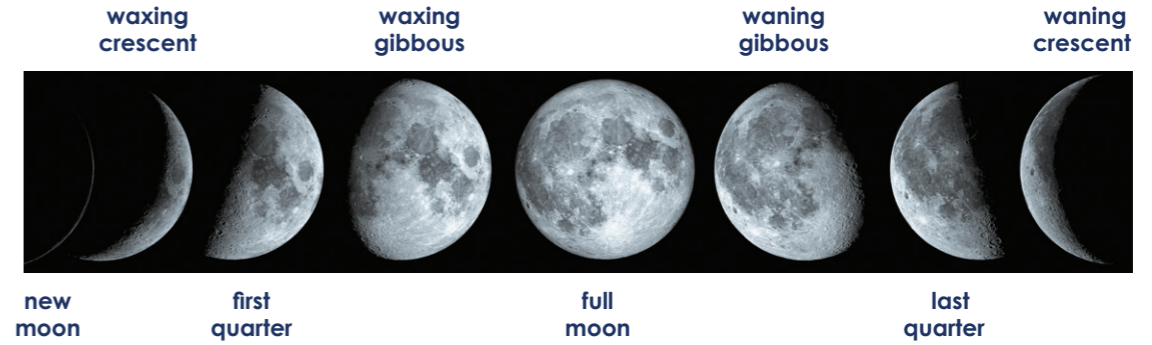
The Solar System is the Sun and the planets which orbit around the Sun. It also includes their moons, asteroids and anything else which orbits the Sun. The Solar System has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.



			
<b>Mercury</b>	<b>Venus</b>	<b>Earth</b>	<b>Mars</b>
Mercury is the smallest planet and the nearest planet to the Sun.	Venus is the second planet from the Sun and a similar size to Earth.	Earth is the planet we live on and it is the third planet from the Sun.	Mars is the fourth planet from the Sun. It is approximately half the size of Earth.

What are the phases of the Moon?

The Moon takes 28 days to orbit the Earth — a lunar month. As it does this, it looks as though it changes shape. However, it does not actually change. We call the different views of the Moon the 'phases of the Moon' and each phase has a name.



What is a moon?

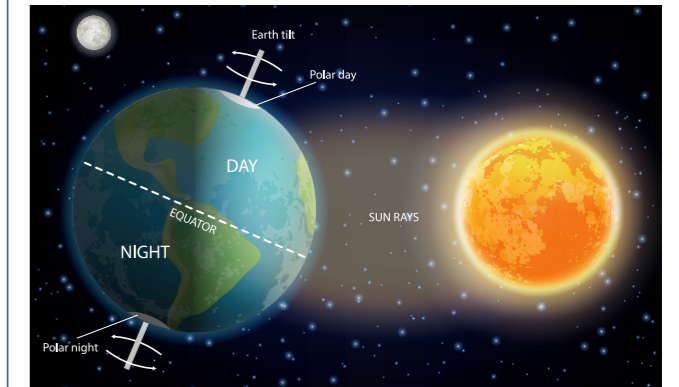
A moon is a body which orbits a planet. It is also known as a natural satellite. Some planets have multiple moons but Earth only has one. It is a rocky, dusty ball and we call it the Moon.


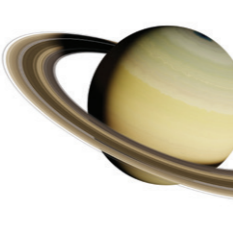
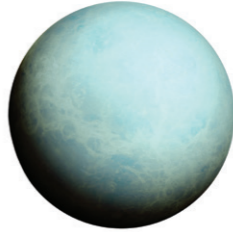



What do we know about the Earth and the Sun?

The Earth orbits the Sun and whilst it does this, it spins on an axis. The Earth takes 365 days to orbit the Sun and this is why one year is 365 days. The rotation of the Earth is why we have day and night. When part of the Earth is facing the Sun the places there will experience daytime. The places found on the side of the Earth not facing the Sun will experience night-time.

The tilt of the axis is the reason why we experience different seasons.



			
<b>Jupiter</b>	<b>Saturn</b>	<b>Uranus</b>	<b>Neptune</b>
Jupiter is the largest planet in the Solar System and the fifth planet from the Sun.	Saturn is the sixth planet from the Sun. It has rings and is the second largest planet.	Uranus is the third largest planet. It is the seventh planet from the Sun.	Neptune is the eighth planet and the furthest from the Sun. It is slightly smaller than Uranus.