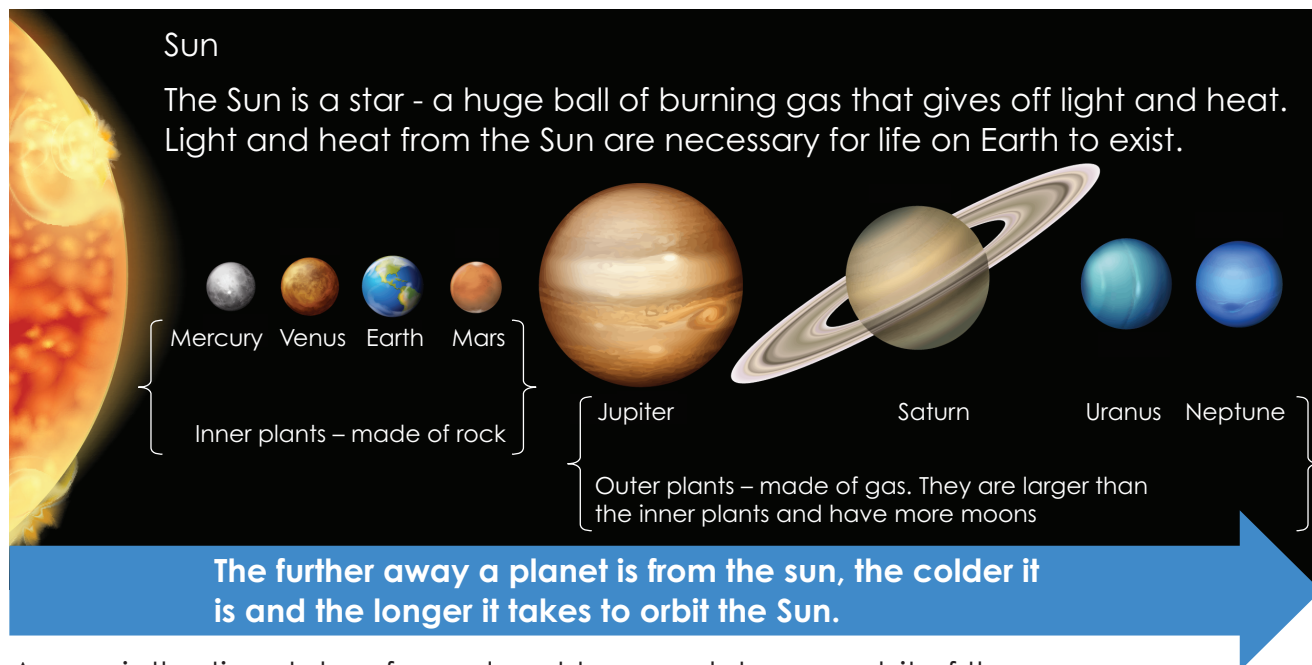


The Solar System

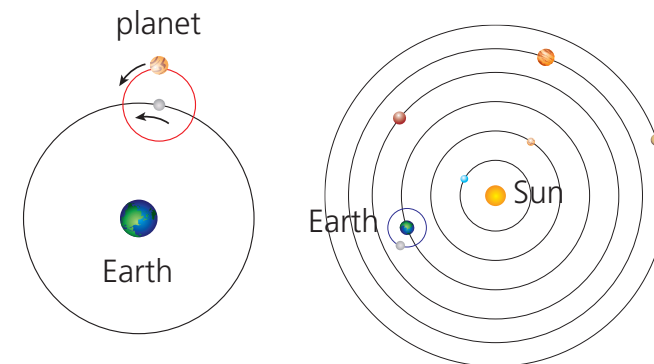
The Solar System includes the Sun, the eight planets that orbit the Sun, their moons, asteroids, and comets.



A year is the time taken for a planet to complete one orbit of the sun. For Earth, this is 365¼ days.

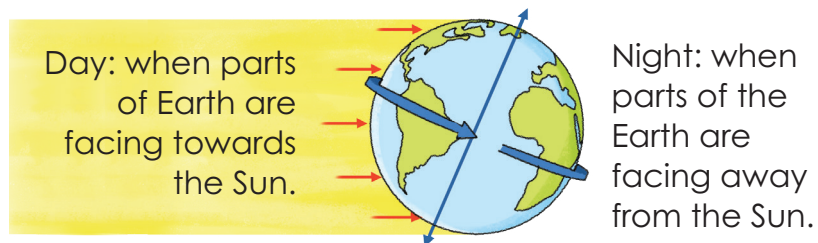
The Universe

The Universe is everything that exists. A galaxy is a group of billions of stars. Our galaxy is called the Milky Way.



Night and day

Earth takes 24 hours (one day) to fully rotate on its axis.



Moon

A moon is a rocky object in space that orbits a planet.

The Earth's moon:

- takes around 27 days to orbit
- does not create its own light, but can be seen because it reflects light from the Sun
- has different phases throughout the month as it's in the Earth's shadow.

Word	Definition
axis	An imaginary line through the Earth from the north pole to the south pole. The Earth rotates around its axis.
crescent	A curved shape, like the shape of a new moon.
day	A 24-hour period in which Earth fully rotates once on its axis a period of 24 hours when it is light.
Earth	The planet on which we live.
galaxy	A large group of stars and planets.
gas	A substance that has no fixed shape.
geocentric model	The theory that Earth is at the centre of the Solar System.
gibbous	A moon that is more than a half moon but less than a full moon.
heliocentric model	The theory that the Sun is at the centre of the Solar System.
lunar month	The time between new moons.
moon	A satellite of the Earth which is lit by the Sun. Other planets have more than one moon.

Word	Definition
orbit	When something is in orbit, it is moving around the Sun or a planet.
planet	A very large object in space that moves around the Sun or around another star.
satellite	A natural or human-made object that orbits a planet or a star.
Solar System	The planets, moons, and everything that orbits the Sun.
star	A large mass of burning gas that you see as a bright speck of light in the sky at night.
Sun	The star at the centre of our Solar System.
Universe	Everything that exists, including planets, Sun, and stars.
waning	When the visible surface of the Moon is getting smaller.
waxing	When the visible surface of the Moon is getting bigger.