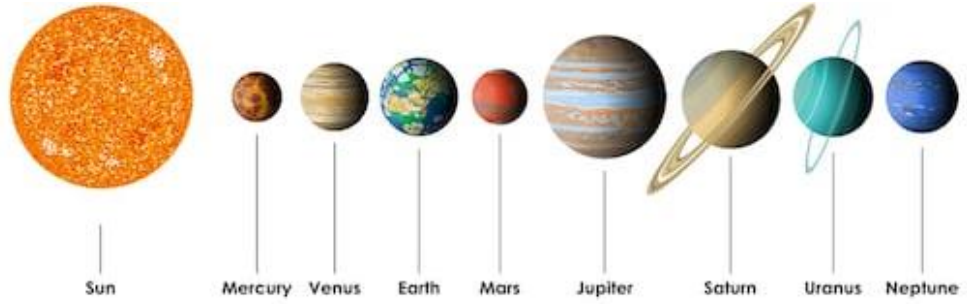
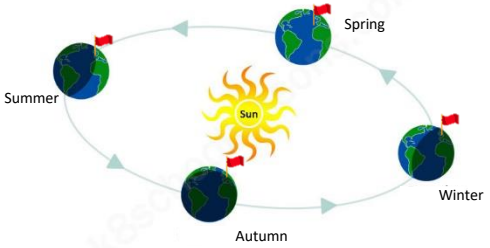
Physics: Space

Key word	Definition
Orbit	Curved path of an object around a star, planet or moon
Satellite	An object which orbits a larger object
Asteroid	Large pieces of rock which orbit the sun
Meteor	Bits of dust or rock that burn up in the Earth's atmosphere
Comet	Ball of ice and dust which orbits the sun
Star	Giant balls of superhot gas made up mostly of hydrogen and helium which emit light
Solar System	The sun, 8 planets and the other objects which orbit around it
Galaxy	A collection of stars
Emit	To give out
Reflect	Bounce off
Greenhouse Gas	Gas which traps heat energy, e.g. CO_2

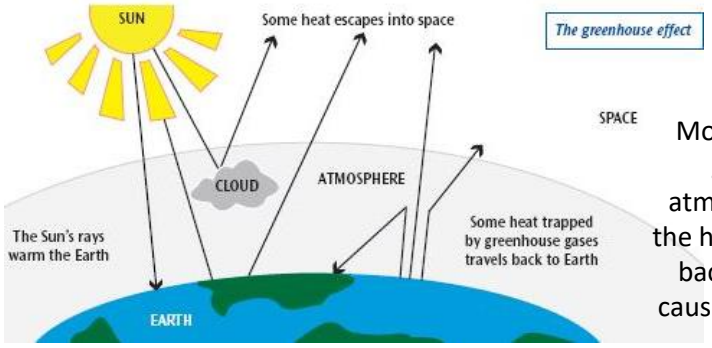


There are 8 planets in our **solar system** all **orbiting** around our **star** (The Sun!)



Time	Reason
1 day (24 hours)	Earth spins on its axis 1 full rotation
1 Year (365 days)	Earth obits the sun once

The Earth spins on a slight tilt of 23.5 degrees. In the UK when the Earth is tilted towards the Sun it is summer, when it is tilted away from the Sun it is winter.



More **greenhouse gases** in our atmosphere **reflect** the heat from the Sun back to the Earth, causing our planet to heat up!

The moon is a natural **satellite** of the Earth. It **reflects** light from the Sun. Its 'shape' depends on how much light it can **reflect** from where it is in its **orbit**