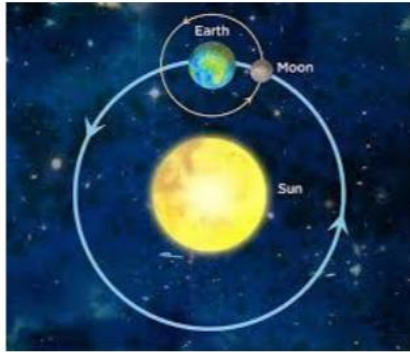




YEAR 5 - EARTH & SPACE

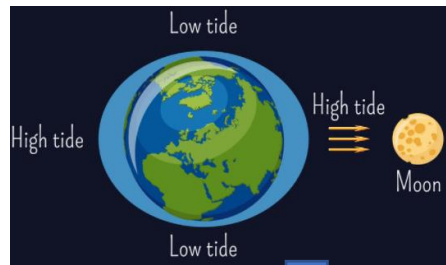
The Earth orbits the Sun.

It takes 365¼ days to complete its orbit around the Sun. This is a year.



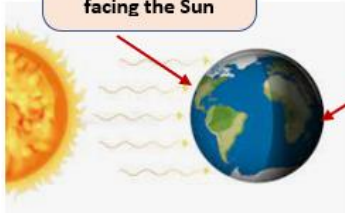
The Sun is a star at the centre of our solar system.

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



Tides are caused by a natural force called gravity. As the Moon pulls on Earth it makes the water move.

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

Maggie Aderin-Pocock
(born 1968)



Maggie is a British space scientist and science educator. She is working on the observation instruments for the Aeolus satellite, which will measure wind speeds to help the investigation of climate change.

Related vocabulary	Definition
spherical body	Astronomical objects shaped like spheres
Sun	It is a hot ball of gases that gives off great amounts of energy. Life on Earth depends on light and heat from the sun.
Earth	Earth is a terrestrial or inner planet consisting of a thin outer crust, an intermediate mantle, and a dense inner core.
moon	A natural object which orbits a planet and reflects the sun
planets	A celestial body which orbits a star
solar system	planets and their moons which orbit the Sun
universe	everything we can touch, sense and feel. It includes all planets, stars and moons
space	an unlimited area where everything can be found. Example: planets and stars
orbit	A repeating path which one object takes around another
rotate	To turn around on one point, also known as an axis
axis	an imaginary straight line around which an object spins.
satellite	is any object that is in orbit around a planet. There are two types of satellite: natural and artificial. e.g. natural – moon artificial - weather satellite
atmosphere	Earth's atmosphere is a jacket of gases that surrounds our planet. It keeps us warm, gives us oxygen to breathe, and it is where our weather happens.