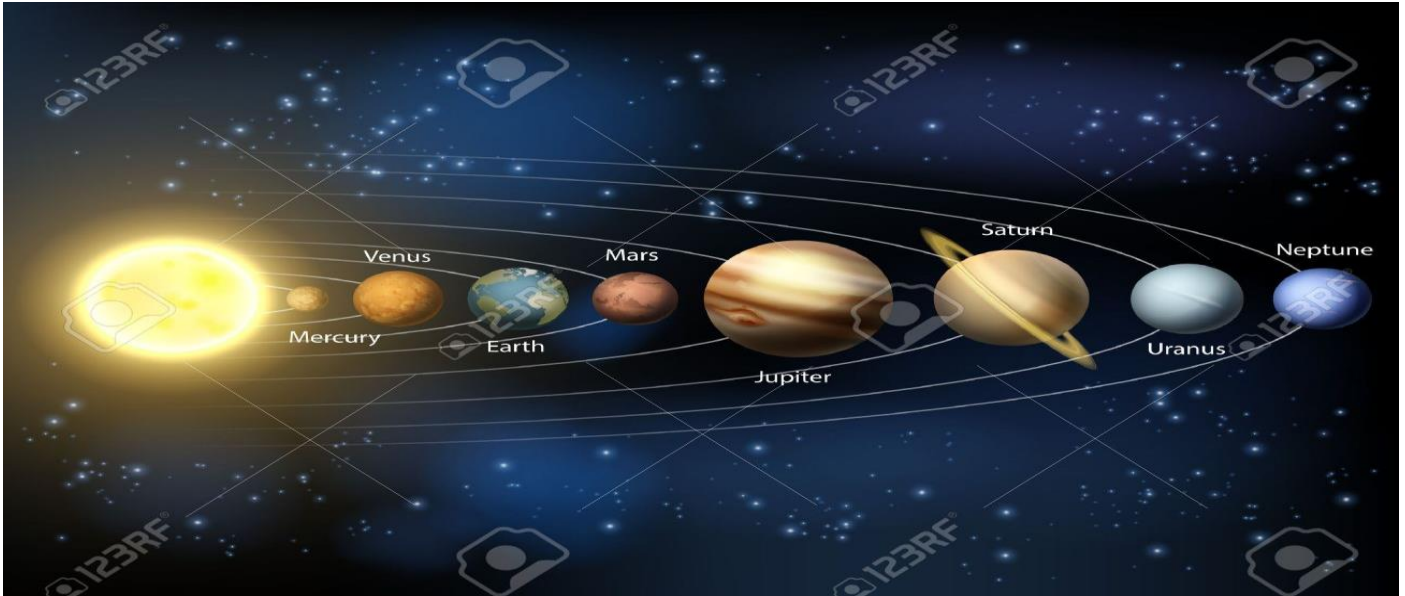


Year 5 Solar System Knowledge Organiser. Layer 2

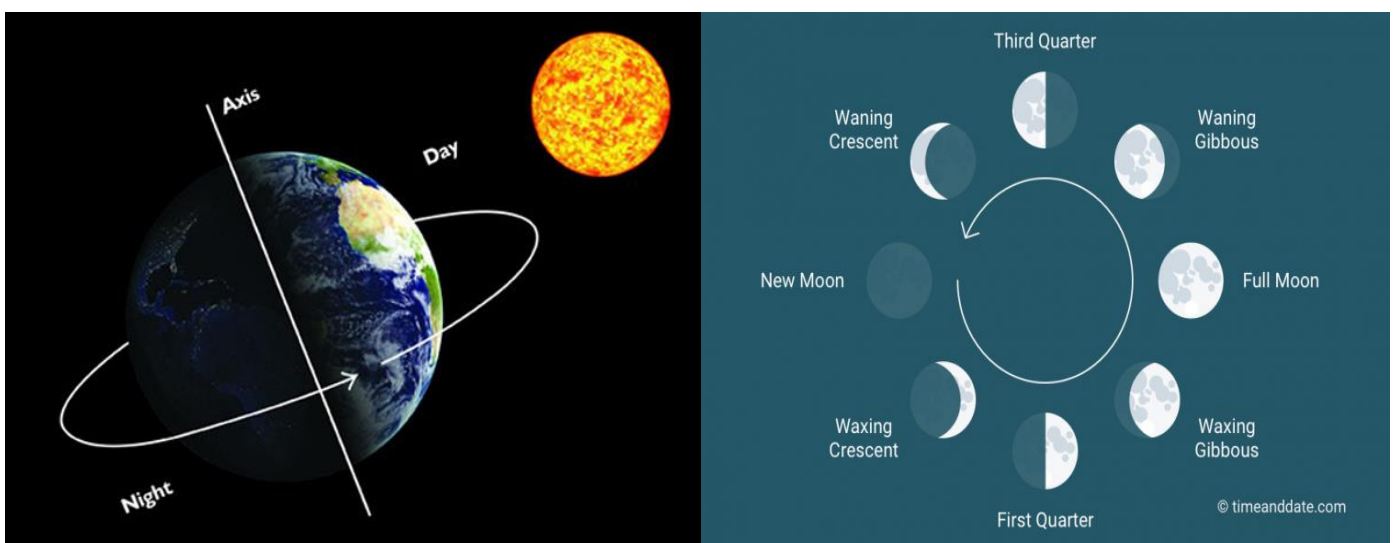
In space, planet Earth alongside other planets, stars, moons, asteroids and other objects form our Solar System. Inside the Solar System there are **8 (eight) planets** that orbit (travel round) the Sun. The Sun is the biggest star in our Solar System. As Earth orbits the Sun, the Moon also orbits our planet. Nowadays, we know that the Earth, Sun and Moon are approximately **spherical** bodies.

An easy way to remember them is: **My Very Easy Method Just Speeds Up Naming Planets.**



Earth's orbit around the Sun It takes 365.25 days to complete its orbit around the Sun.

Day and Night Why do we have day and night? As the Earth orbits the Sun, it rotates meaning half of the Earth is facing the Sun whilst the other half is facing away. It takes 24 hours for the Earth to rotate on its axis. The Sun does not move.



The Phases of the Moon The Moon takes 28 days to orbit the Earth. The Moon is not a light source and simply reflects the light from the Sun. The Moon also does not change shape,

instead we see different amounts of the Moon's surface depending on its position in relation to the Earth and the Sun.

Vocabulary

Tier three

Solar system – The collection of eight planets and their moons in orbit round the sun.

Star – A fixed luminous point in the night sky which is a large.

Light source-. A light source emits light.

Tier Two

Orbit – The regularly repeated oval course of a celestial object around a star or planet.

Planet – A celestial body moving in orbit round a star.

Rotation – The action of rotating about an axis or centre.

Axis – An imaginary line about which a body rotates.

Tier One

Day – A twenty-four hour period,.

Moon – A natural satellite of any planet.

Night – The period from sunset to sunrise in each twenty-four hours.

Sun – The star round which planets orbit.

Movement- To move and change position.

