Earth and Space

dawn: when light first appears in the sky before sunrise

dusk: the time after sunset when there is still some light in the sky

spherical: shaped like a ball

sunrise: the time in the morning when the Sun is first seen

sunset: the time in the evening when the Sun is no longer visible

axis: an imaginary line that a body rotates around

moon: a natural satellite that orbits a planet

orbit: to move in a regular path around another object (v) the path taken when orbiting (n)

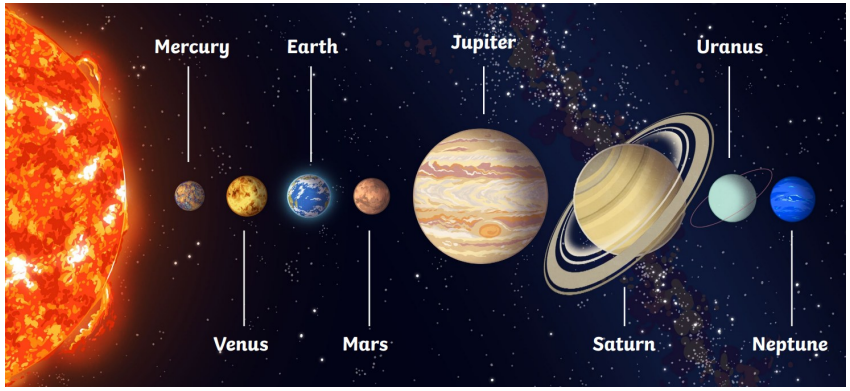
planet: a near-spherical body with a predictable orbit around a star.

rotate: to spin or turn in a circle around a fixed point or axis

solar system: collective term for the Sun, the planets that orbit it, plus any moons and other natural bodies within it

What's in Space?

- The main bodies that are found in our solar system are the Sun, Moon, Earth and planets. They are all spherical.
- The solar system is also home to asteroids, moons, and dwarf planets.

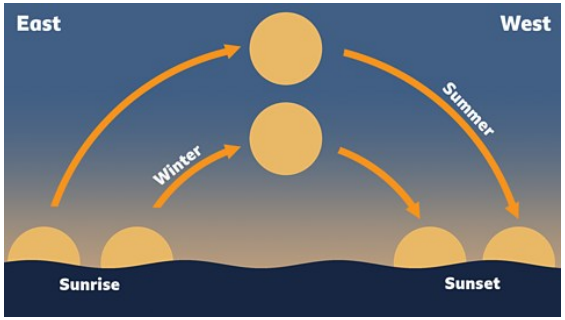


How do the planets move?

- The Sun is a star at the centre of our solar system.
- The Earth is one of eight planets that orbit the Sun.
- The time it takes to complete one orbit is called a year.
- It takes the Earth approximately 365 days to orbit the sun.
- The other planets of our solar system also orbit the Sun at different distances and take different times to complete one orbit.

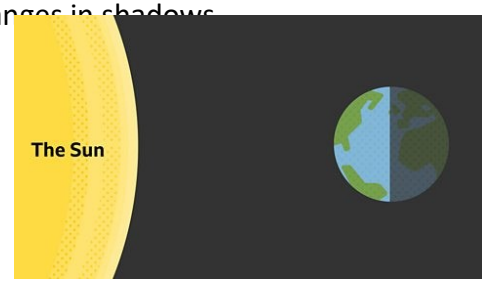
How does the position of the Sun in the sky change?

- The Sun appears to move east to west in an arc across the sky from sunrise to sunset.
- Changes in shadows during the day can be explained by the changes in the position of the Sun.



What causes day and night?

The Earth rotates on its axis and this causes day and night as well as the apparent movement of the Sun across the sky and the changes in shadows.



How does the Moon move?

- The Moon orbits the Earth every 28 days and rotates on its axis.
- The Moon does not produce its own light; it reflects light from the Sun.
- The Moon appears to change shape over the month because of [illegible] Sun .