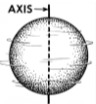

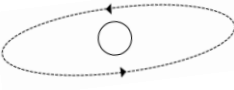


ROCKET WORDS

Key Word	Meaning
Sphere	A 3D shape like a ball
Axis 	An invisible straight line going through the centre of a spinning object
Rotate 	To move in a circle round an axis
Orbit 	A curved path in space which is followed by an object going round and round
Opaque	An object that light can't pass through
Transparent	An object that light can pass through
Translucent	An object that some light can pass through

Our Solar System

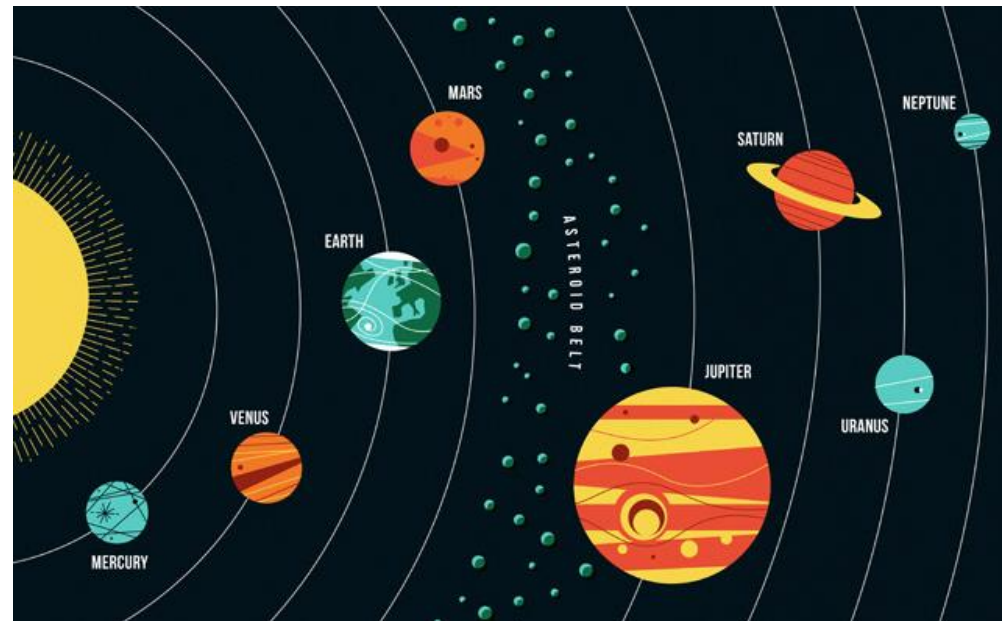


The Sun is a source of light.

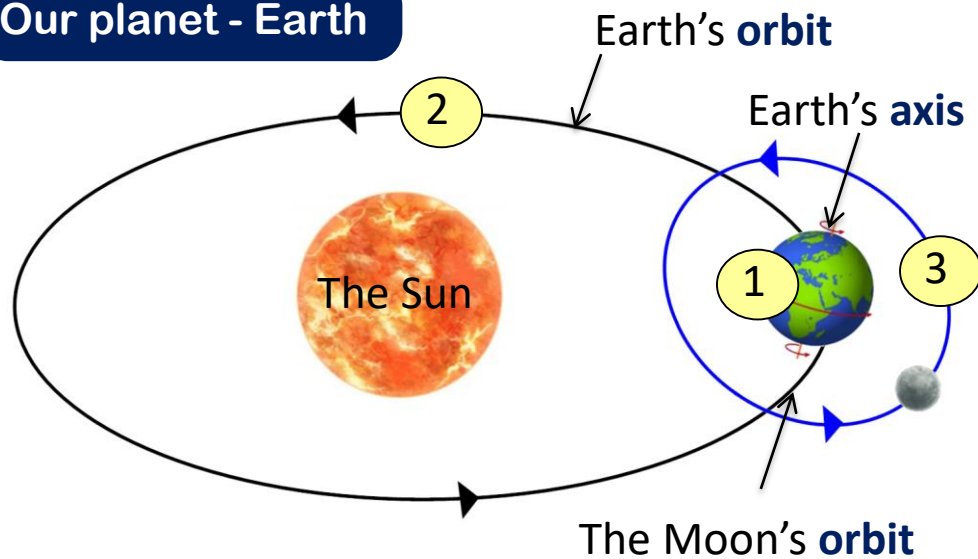
The Sun is at the centre and the planets follow individual paths called **orbits** around it.

The planets travel in the same direction, but move at different speeds and take different times to complete one **orbit**.

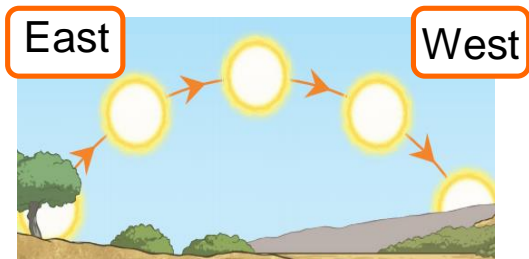
The planets **rotate** as they orbit the Sun.



Our planet - Earth



- 1 The Earth takes **1 day** to **rotate** on its own axis.
- 2 The Earth takes **1 year (365 days)** to **orbit** the sun.
- 3 The Moon **orbits** the Earth which takes **about a month**.



The Sun appears to move across the sky as the day goes on. However, it isn't the Sun that is moving – it's us on the Earth!

Sun safety

- It is important to protect your eyes and your skin from the sun.
- You should never look directly at the sun.
- UVB rays from the sun can cause burns.



How much light do object block?

Transparent	Translucent	Opaque