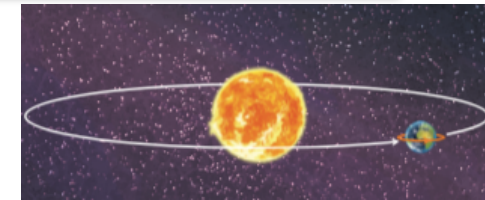


# Year 5 Spring 1 Theme Knowledge Organiser- Earthlings

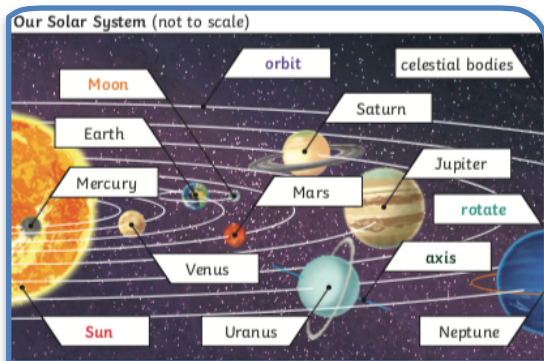


Keyword	Definition
<b>Sun</b>	A huge star that Earth and the other planets in our solar system orbit around.
<b>star</b>	A giant ball of gas held together by its own gravity.
<b>moon</b>	A natural satellite which orbits Earth or other planets.
<b>planet</b>	A large object, round or nearly round, that orbits a star.
<b>satellite</b>	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth

The Earth takes 24 hours to spin once on its axis. At the same time that Earth is **rotating**, it is also **orbiting** (revolving) around the **Sun**. It takes a little more than 365 days to **orbit** the **Sun**. Daytime occurs when the side of Earth is facing towards the **Sun**. Night occurs when the side of Earth is facing away from the **Sun**.



Keyword	Definition
<b>orbit</b>	To move in a regular, repeating curved path around another object.
<b>rotate</b>	To spin. E.g. Earth rotates on its own axis.
<b>axis</b>	An imaginary line that a body rotates around. E.g. Earth's <b>axis</b> (imaginary line) runs from the North Pole to the South Pole.
<b>geocentric model</b>	A belief people used to have that other planets and the Sun orbited around Earth.
<b>heliocentric model</b>	The structure of the Solar System where the planets orbit around the Sun.
<b>astronomer</b>	Someone who studies or is an expert in astronomy (space science).



Mercury, Venus, Earth and Mars are rocky **planets**. They are mostly made up of metal and rock. Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.

It appears to us that the **Sun** moves across the sky during the day but the **Sun** does not move at all. It seems to us that the **Sun** moves because of the movements of Earth.

