





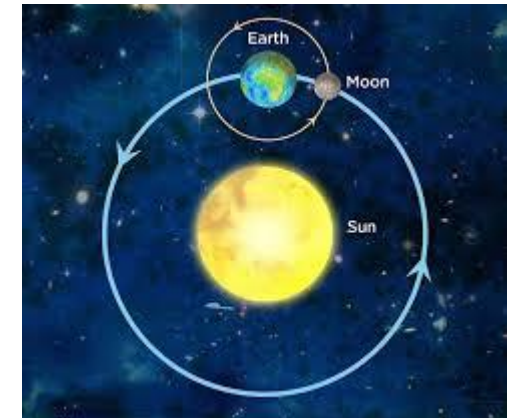
Earth and Space Year 5

| Key vocabulary | |
|---------------------|--|
| Earth | The planet we live on. It is the third planet from the Sun. |
| Sun | The Sun is the star at the centre of our solar system. It is not safe to look directly at the Sun, even when wearing dark glasses. |
| Moon | The moon is the only natural satellite of the Earth. |
| planets | Large round objects, made of rock or gas, that move around the sun. |
| solar system | The sun and all the planets that orbit around it. |
| star | A huge ball of glowing gas in space. |
| rotate | When an object rotates it turns (spins) on its axis. |
| orbit | The curved path that an object follows going around a star or a planet. |

| Significant scientists | |
|---|---|
| Nicolaus Copernicus <i>(1473-1543)</i>  | Nicolaus was a Polish astronomer and mathematician who formulated the heliocentric model of the solar system that placed the Sun rather than the Earth at the centre of the universe. |
| Ibn Sina AKA Avicenna <i>(born 930-1037)</i>  | Ibn Sina was a famous Uzbek astronomer during the Islamic Golden Age who observed the planet Venus against the disc of the sun and was able to conclude that the planet was closer to the Earth than to the sun. |

The Earth orbits the Sun.

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



Sticky Knowledge: the Sun is a star at the centre of our solar system.

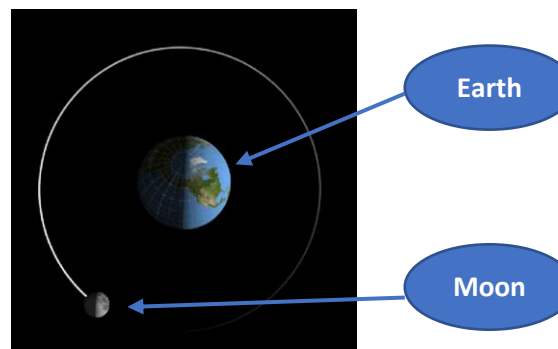
There are 8 planets in our solar system: **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.**

These all **orbit** (travel) around the sun.

The Sun, Earth and Moon are approximately spherical bodies.

The moon orbits the Earth

It takes about 28 days to complete its orbit.



The Earth rotates (spins) on its axis once every 24 hours.

