

# 5E EARTH, SUN AND MOON

## Glossary

**astronomy** – the study of planets, stars and space

**axis** – an imaginary line passing through the centre of a spinning object

**compass** – a device used to locate directions – the four points of the compass – north, east, south and west

**crescent moon** – the phase of the moon when the moon appears as a thin curved, piece

**day or day-time** – the time in the day when planet Earth is facing the sun

**full moon** – the phase of the moon when the moon appears as a complete circle

**moon** – a large object which orbits a planet. Moons are not sources of light

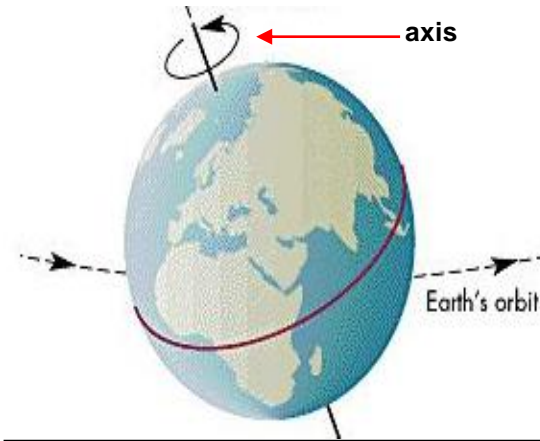
**night or night-time** – the time of the day when planet Earth is facing away from the sun

**orbit** – the path taken by a moon around a planet or a planet around a star

**phases of the moon** – the different shapes of the moon as they appear on Earth



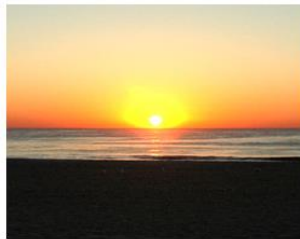
**Astronomy** is the study of **planets** and **stars**



The Earth is a **sphere** which **spins**, **revolves**, or **rotates** on its **axis** while it **orbits** the sun.



**Solar Eclipse**

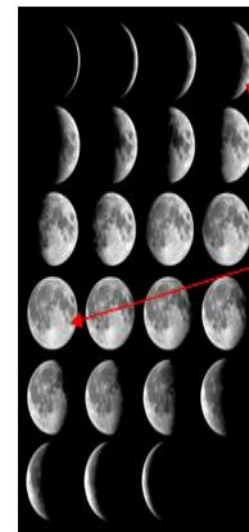


**Sunrise** is when the sun comes up at the start of the **daytime**, **sunset** is when it goes down at **night time**



**Compass**

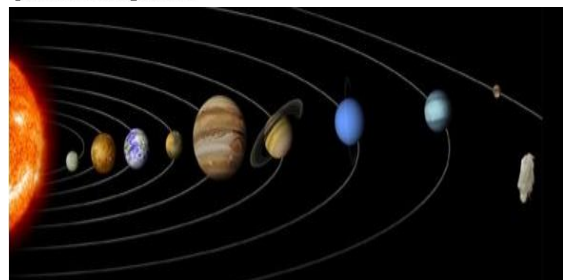
**Phases of the moon**



**Crescent moon**

**Full moon**

**The moon** is a natural **satellite** that orbits the Earth



The nine planets in our **solar system** orbit the sun.

**planet** – a large object that orbit a star. Planets are not sources of light

**revolve, spin, rotate** – to turn around a point

**rotation** – the turning of an object such as the Earth on its axis – to **rotate** - verb

**satellite** – any object which orbits another. Moons are natural satellites. Man made satellites that orbit the Earth are used for tracking, astronomy and telecommunications

**season** – times of the year when there are significant differences in the amount of day-light

**solar eclipse** – when the sun, moon and Earth are lined up such that the moon appears to cover the sun and a shadow is cast on the Earth

**Solar system** – our sun, Sol, and its planets and their satellites

**sphere** – an object which is ball shaped

**stars** – massive objects that release energy in the form of heat and light e.g our sun

**sunrise** – the time of day when the sun appears to rise above the horizon to begin the day

**sunset** - the time of day when the sun appears to fall below the horizon to end the day