

# Year 5 – Earth and Space

ALP Trust Science 2020

## Language for Learning

Through the activities in this topic pupils should **understand and precisely use key scientific words - spelling these words correctly**. This includes - words with **different meanings** in scientific and everyday contexts (e.g. drag), words with **precise** scientific meanings (e.g. weight and mass) and words relating to **scientific enquiry** (e.g. variable).

## Key Scientific Words

Key Word	Definition (Meaning)
Earth	The planet we live on
Sun	The star that the Earth orbits
A moon	A large object orbiting a planet
The Moon	The moon that orbits Earth
Orbit	The path that an object takes around another object
Sphere/ Spherical	Shaped like a ball
Day	The time it takes a planet to spin once on its axis. On Earth - this is 24 hours
Year	The time it takes a planet to orbit the Sun. On Earth - this is 365.25 days
Phases of the Moon	The different shapes the moon appears to have
Asteroid	A small rocky object
Axis	An imaginary line that goes from one pole of the Earth to the other. The Earth spins around its axis

## Key Concepts

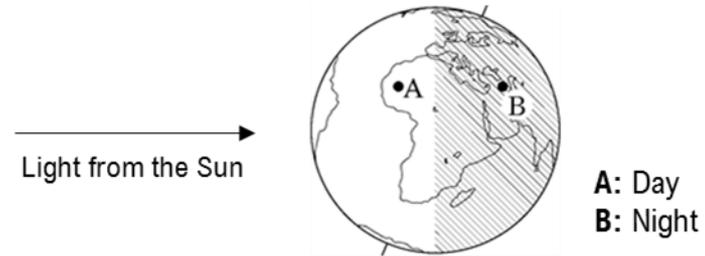
We live on planet **Earth**. The Earth spins on its axis once every **24 hours**.

The **Sun** is a star. The Earth orbits the Sun once every **365.25 days**.

An **orbit** is the path an object takes as it travels around another object

The Earth receives light from the Sun. **It is not safe to look directly at the Sun, even when wearing dark glasses**

The side of the Earth facing the Sun has **daylight** - and it is **night** on the side facing away from the Sun. As the Earth spins on its axis we get both day and night. The Earth's spin also makes it appear that the **Sun** moves across the sky



The **Moon** orbits the Earth. It orbits Earth once every **28 days**.

The Sun, Earth and Moon are roughly **spherical**.

The Moon seems to change shape. The different shapes are called **phases of the Moon**. The phases happen because we cannot always see all of the part of the Moon that is lit by the Sun.

There are **eight** planets orbiting the Sun. Most of the planets have moons. The Sun, the planets, the moons and other objects make up the **Solar System**.

The eight planets are **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune**.

