

## Year 5 Science

### Earth and Space

#### Introduction

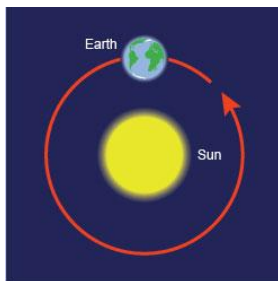
The Earth travels around the Sun. The Moon travels around the Earth.

Day and night are caused by the Earth spinning on its axis.

Take the quiz

<http://www.bbc.co.uk/bitesize/quiz/q91254328>

#### The Earth



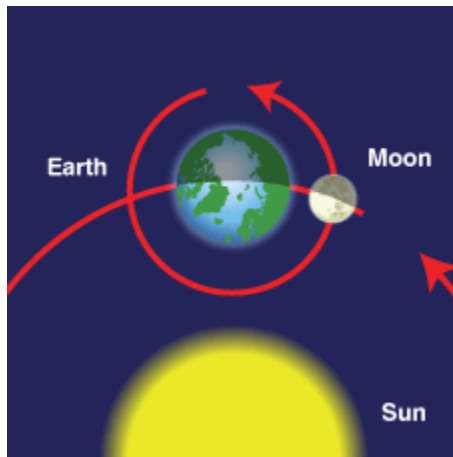
The Earth is round, like a ball, but it is also slightly squashed. We say that its shape is roughly **spherical**.

The Earth travels around the **Sun** once every year.

The Earth also spins on its own axis. The axis is an imaginary line through the centre of the Earth from the North Pole to the South Pole. The Earth spins round once every 24 hours. This causes day and night on Earth.

- It is **day** on the part of the Earth that is facing the Sun.
- It is **night** on the part of the Earth that is facing away from the Sun.

## The Moon

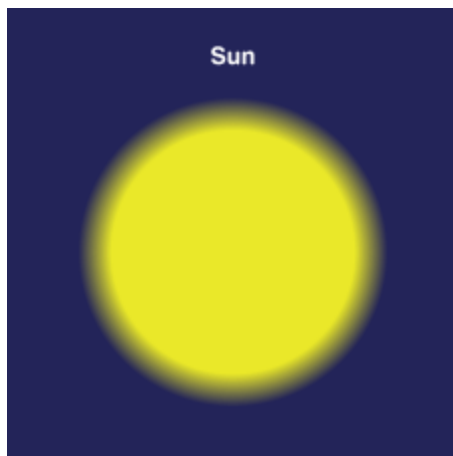


The Moon is roughly spherical, but it is a lot **smaller** than the Earth.

The Moon travels around the Earth. It goes round once every 28 days.

We only see the part of the Moon that is lit by the Sun. So sometimes we see the whole Moon and sometimes we only see part of the Moon.

## The Sun



The Sun is a **star** and gives out heat and light.

It is roughly spherical in shape and is much, much **bigger** than the Earth.

## The planets

The Earth is just one of eight planets that travel around the Sun. The other planets are called Mercury, Venus, Mars, Jupiter, Saturn, Uranus and Neptune.