

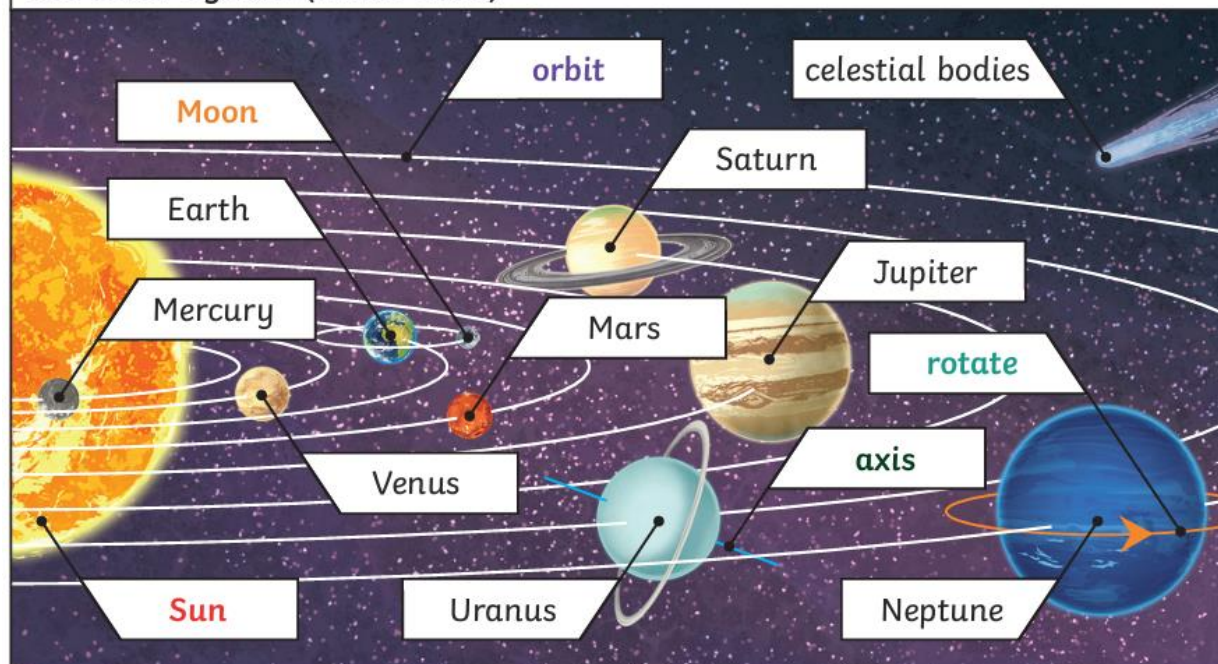
Key vocabulary

<i>star</i>	huge, glowing balls of gases
<i>solar system</i>	consists of the sun and everything that travels around the sun
<i>orbit</i>	the path of an object around a particular point in space
<i>axis</i>	an imaginary line an object (e.g. planet) turns around
<i>spherical</i>	more or less like a sphere

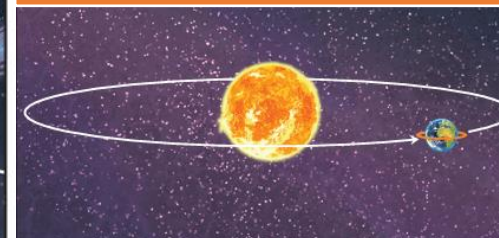
Key knowledge

- The sun is a **star** at the centre of our **solar system**.
- There are 8 planets.
- These travel around the sun in fixed **orbits**.
- Earth takes 365 $\frac{1}{2}$ days to complete its **orbit** around the sun.
- The earth rotates (spins) on its **axis**.
- As the earth rotates, half faces the sun (day time) and half is facing away from the sun (night time).
- As the earth rotates, the sun appears to move across the sky.
- The moon orbits the earth. It takes about 28 days to complete its orbit.
- The sun, earth and moon are approximately **spherical**.

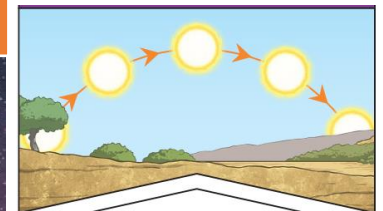
Our Solar System (not to scale)



The earth orbits the sun



The moon orbits the earth



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.

We are building our knowledge from

- Seasonal Changes (Year 1)
- Light (Year 3)