

Earth and Space Mastery Flashcards

Learning objective: To identify and describe the movement of the Earth and other planets relative to the Sun in the solar system, and to describe the movement of the Moon relative to the Earth.

Use these flashcards to test your knowledge of the solar system. Work with a partner to quiz each other, or use them for independent revision.

What shape are the Earth, the Sun, and the Moon?	How long does it take for the Earth to complete one full rotation on its axis?
Spherical (or spheres).	Approximately 24 hours (one day).
What do we call the path that a planet takes as it travels around the Sun?	How long does it take for the Earth to complete one full orbit around the Sun?
An orbit.	Approximately 365.25 days (one year).
Which force keeps the planets in orbit around the Sun?	Which celestial body orbits the Earth every 28 days?
Gravity.	The Moon.
Nova the owl is stargazing; why does the Sun appear to move across the sky during the day?	Name the eight planets in our solar system in order of distance from the Sun.
Because the Earth is rotating on its axis.	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.
Why do we have different seasons on Earth?	What is the name of the imaginary line that runs through the centre of the Earth from the North Pole to the South Pole?
Because the Earth is tilted on its axis as it orbits the Sun.	An axis.
Who discovered that the Earth orbits the Sun, rather than everything orbiting the Earth?	Does the Moon produce its own light?
Nicolaus Copernicus.	No, it reflects the light from the Sun.