

Our Earth and Our Solar System

Chapter 1: Our Earth and Our Solar System · Topic 1

Key Concept

The solar system has the sun at its centre, with eight planets, including Earth, orbiting around it due to gravity.

Earth is the third planet from the sun and the only known planet to support life, with the right conditions for water and air.

Other planets in our solar system, like Mars, Jupiter, and Saturn, have very different conditions unsuitable for life as we know it.

Understanding our solar system helps us appreciate Earth's unique position and the vastness of space beyond our planet.

Quick Revision Notes

- Solar system: sun at centre, 8 planets orbit it.
- Gravity keeps planets in orbit.
- Earth: third planet from sun.
- Only known planet supporting life.
- It has right conditions: water, air.
- Other planets (Mars, Jupiter) unsuitable for life.
- This shows Earth's unique position.
- It also shows space's vastness.

Practice Questions

- 1 Name the planets in order from the sun.
- 2 Discuss what makes Earth unique.
- 3 Draw a simple diagram of the solar system.
- 4 Research a planet other than Earth.
- 5 Discuss why gravity keeps planets in orbit.
- 6 Explain why Earth supports life in your own words.