

Beyond the Sky

Chapter 8: Beyond the Sky · Topic 1

Key Concept

The universe contains billions of galaxies, each containing billions of stars, with our solar system being part of the Milky Way galaxy.

Stars are massive balls of burning gas that produce their own light and heat, unlike planets which reflect light from stars.

Our solar system includes the sun and eight planets, including Earth, all orbiting the sun due to its gravitational pull.

Space exploration through telescopes and spacecraft has helped scientists learn more about our universe and possibilities beyond Earth.

Quick Revision Notes

- Universe: billions of galaxies, billions of stars each.
- Our solar system is in the Milky Way galaxy.
- Stars: burning gas, produce own light/heat.
- Planets: reflect light from stars.
- Solar system: sun + 8 planets, including Earth.
- Gravity keeps planets orbiting the sun.
- Space exploration uses telescopes, spacecraft.
- This helps learn about the universe.

Practice Questions

- 1 Name the planets in our solar system.
- 2 Discuss the difference between a star and a planet.
- 3 Research the Milky Way galaxy.
- 4 Discuss how telescopes help explore space.
- 5 Draw a simple diagram of our solar system.
- 6 Discuss why gravity keeps planets in orbit.