

Introducing Biology - Diversity in Living Organisms

Chapter 1: Introducing Biology - Diversity in Living Organisms · Topic 1

Key Concept

Biology encompasses the study of all living things, from microscopic bacteria to large mammals, examining their structure, function, and behaviour.

Living organisms are classified into groups based on characteristics like cell structure, how they obtain nutrition, and reproductive methods.

Biodiversity refers to the variety of life forms, essential for maintaining balanced ecosystems and providing resources for human use.

Understanding biological diversity helps us appreciate the interconnectedness of life and the importance of conservation efforts.

Quick Revision Notes

- Biology studies all living things.
- It examines structure, function and behaviour.
- Organisms are classified by shared characteristics.
- Classification considers cell structure and nutrition methods.
- Biodiversity is the variety of life forms.
- It's essential for balanced ecosystems.
- It provides resources for human use.
- Understanding diversity supports conservation efforts.

Practice Questions

- 1 List five different types of living organisms.
- 2 Discuss what biodiversity means.
- 3 Research why biodiversity is important.
- 4 Explain how organisms are classified.
- 5 Discuss a conservation effort you know about.
- 6 Create a chart showing different life forms.