

Five Kingdom Classification

Chapter 8: Five Kingdom Classification · Topic 1

Key Concept

Monera includes simple, single-celled organisms without a true nucleus, like bacteria, found almost everywhere on Earth.

Protista includes mostly single-celled organisms with a true nucleus, like amoeba and paramecium, more complex than Monera.

Fungi include organisms like mushrooms and yeasts, which absorb nutrients from their environment rather than producing their own food.

Plantae (plants) produce their own food through photosynthesis, while Animalia (animals) obtain nutrition by consuming other organisms.

Quick Revision Notes

- Monera: simple, single-celled, no true nucleus.
- Example: bacteria.
- Protista: single-celled with a true nucleus.
- Examples: amoeba, paramecium.
- Fungi absorb nutrients from environment.
- Examples: mushrooms, yeasts.
- Plantae produce food through photosynthesis.
- Animalia obtain nutrition by consuming other organisms.

Practice Questions

- 1 List the five kingdoms and an example of each.
- 2 Discuss the difference between Monera and Protista.
- 3 Research how fungi obtain nutrients.
- 4 Explain photosynthesis in plants.
- 5 Discuss why animals need to consume other organisms.
- 6 Create a chart classifying five organisms.