

Classification of Plants

Chapter 16: Classification of Plants · Topic 1

Key Concept

Algae are simple plants, mostly found in water, that don't have true roots, stems, or leaves.

Mosses are small, simple plants without a vascular system, often growing in moist, shaded areas.

Ferns have vascular tissue (like xylem and phloem) but reproduce using spores rather than seeds.

Flowering plants (angiosperms) are the most diverse group, reproducing through seeds contained within flowers and fruits.

Quick Revision Notes

- Algae are simple, mostly aquatic plants.
- They lack true roots, stems and leaves.
- Mosses are small, simple, non-vascular plants.
- They grow in moist, shaded areas.
- Ferns have vascular tissue.
- Ferns reproduce using spores.
- Flowering plants reproduce with seeds.
- Flowering plants are the most diverse group.

Practice Questions

- 1 Find an example of a moss or fern.
- 2 Discuss the difference between spores and seeds.
- 3 Research an example of algae.
- 4 Explain why flowering plants are diverse.
- 5 Draw a simple fern and label its parts.
- 6 Compare mosses and ferns.