

Plant and Animal Tissues

Chapter 15: Plant and Animal Tissues · Topic 1

Key Concept

Plant tissues include xylem (transports water and minerals) and phloem (transports food made by leaves) throughout the plant.

Meristematic tissue in plants allows continuous growth, found in areas like root tips and shoot tips.

Animal tissues include muscle tissue (movement), nerve tissue (sending signals), and epithelial tissue (covering and protection).

Understanding tissues helps us see how specialised cells work together to perform specific functions in living organisms.

Quick Revision Notes

- Xylem transports water and minerals in plants.
- Phloem transports food made by leaves.
- Meristematic tissue allows continuous plant growth.
- It's found in root tips and shoot tips.
- Animal muscle tissue enables movement.
- Nerve tissue sends signals.
- Epithelial tissue covers and protects.
- Tissues show specialised cells working together.

Practice Questions

- 1 Draw and label xylem and phloem in a plant.
- 2 Discuss the function of muscle tissue.
- 3 Research nerve tissue's role.
- 4 Explain what epithelial tissue does.
- 5 Discuss where meristematic tissue is found.
- 6 Compare plant and animal tissues.