

Plant Life Processes

Chapter 2: Plant Life Processes · Topic 1

Key Concept

Photosynthesis is the process where plants use sunlight, water, and carbon dioxide to make their own food (glucose) and release oxygen.

Respiration is how plants (and all living things) break down food to release energy needed for growth and other life processes.

Plants reproduce in different ways, like producing seeds that grow into new plants, or through methods like cuttings.

These life processes work together to help plants grow, survive in their environment, and continue their species.

Quick Revision Notes

- Photosynthesis uses sunlight, water and carbon dioxide.
- Photosynthesis makes food (glucose) and releases oxygen.
- Respiration breaks down food to release energy.
- All living things, including plants, respire.
- Plants reproduce through seeds.
- Cuttings are another reproduction method.
- These processes help plants grow and survive.
- They help plants continue their species.

Practice Questions

- 1 Draw the process of photosynthesis with labels.
- 2 Discuss what plants need for photosynthesis.
- 3 Explain respiration in your own words.
- 4 Research how a plant grows from a seed.
- 5 Discuss what a cutting is.
- 6 Explain why photosynthesis is important for all living things.