



Plants

Gold

These Gold questions require explaining plant processes and comparing plant adaptations with genuine reasoning.

Name: _____ Date: _____

Section A: Plant Processes

1. Explain, in your own words, what photosynthesis is and why it matters.

2. A plant is placed near a window with light coming from one side. Predict what will happen to its growth and explain why.

3. Compare how a cactus and a fern might be adapted to their different environments.

4. Explain why removing all the leaves from a healthy plant could eventually kill it.

5. Design a fair test to find out whether plants grow better with more or less sunlight.

Section B: Reproduction & Adaptation

1. Explain three different ways seeds can be dispersed (spread) away from the parent plant.

2. Why might a plant produce hundreds of seeds instead of just one?

3. Explain the full journey from pollination to a new seed being formed.

4. Compare wind-pollinated and insect-pollinated flowers - what differences might you expect to see?

5. Explain why some plants can survive being eaten or cut back, while others cannot.

