

Nova's Garden Discovery

Learning objective: To identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves, and flowers.

Read each question carefully and use your knowledge of plants to answer. Remember to use scientific vocabulary where possible.

Nova the barn owl has been watching the garden closely. She has noticed that plants have many different parts that all work together to help them grow big and strong. Use what you know about plant biology to answer the following questions.

Word bank: roots · stem · leaves · flowers · nutrients · water · sunlight · pollination

1. Nova wants to know how a plant drinks water from the soil. Which part of the plant absorbs water and anchors it into the ground? (1 mark)

2. Explain the role of the stem. Why is it important for the plant's survival? (2 marks)

3. Plants need food to grow. Which part of the plant is responsible for making food using sunlight? (1 mark)

4. Look at these two items: a packet of seeds costing £1.20 and a small watering can costing £2.50. If you buy both, how much money do you spend in total? (2 marks)

5. Why do many plants have bright and colourful flowers? Describe how these help the plant's life cycle. (2 marks)

Draw: Draw a flowering plant and clearly label the roots, stem, leaves, and flower. Add an arrow to show where the plant takes in sunlight.



Extension challenge: Research what would happen to a plant if it was kept in a dark cupboard for two weeks. Write three sentences explaining your prediction.