

Bea's Botanical Guide: How Plants Grow

Learning objective: To describe the functions of different parts of a flowering plant and identify what plants need to survive.

Use the prompts below to write a scientific report about plants. Ensure you use scientific vocabulary and clear sentences to explain your findings.

Plants are amazing living things that can be found in almost every corner of our planet, from tiny gardens to vast forests.

Word bank: nutrients · germination · photosynthesis · transport · anchors · absorb · furthermore · consequently · in addition

1. The Roots: Explain what the roots do for the plant. You could start with: The roots are important because... (2 marks)

2. The Stem: Describe how the stem helps the plant stay healthy. You could start with: The stem acts like a straw by... (2 marks)

3. The Leaves: How do leaves help the plant make food? You could start with: Leaves are vital because they collect sunlight to... (2 marks)

4. The Flowers: Why do plants need flowers? You could start with: Flowers are bright and colourful to attract... (2 marks)

5. Plant Needs: What are the five things a plant needs to grow well? You could start with: To survive and grow, every plant requires... (2 marks)

Extension challenge: Imagine you are a scientist like Bea the Bee. Write a short diary entry explaining what would happen to a plant if it were kept in a dark cupboard without any water for one week.