

Bea's Botany Experiment Record

Learning objective: To identify and describe the functions of different parts of flowering plants and understand the requirements for plant life and growth.

Help Bea the honeybee keep track of her garden research! Choose a plant you have observed or grown. Use the sections below to record your findings about how the plant stays healthy and what parts it uses to grow. Remember to use scientific vocabulary to explain your observations.

Word bank: roots · stem · leaves · flowers · photosynthesis · nutrients · water · transport · reproduction · sunlight

1. Plant Identification and Environment: Name the plant you are studying. Where is it growing, and how much sunlight does it get each day? (2 marks)

2. The Roots and Stem: Describe the function of the roots and the stem. How do these parts help the plant survive and stay upright? (3 marks)

3. The Leaves: Explain what the leaves do for the plant. Why are they important for the plant to create its own food? (3 marks)

4. The Flower: Describe the flower of your plant. What is the role of the flower in the plant's life cycle? (3 marks)

5. Life Requirements: If you were to move this plant to a dark cupboard for one week, what would happen to it and why? (2 marks)

Extension challenge: Imagine you are Bea the honeybee. Write a short field note explaining one way your plant helps other insects in the garden.