

Bea's Botany: The Life Cycle and Anatomy of Plants

Learning objective: To identify and describe the functions of different parts of flowering plants and understand the process of the life cycle.

Help Bea the honeybee map out the garden! Use the space below to draw a complete flowering plant. Ensure you include all parts mentioned in the word bank and add labels to explain what each part does for the plant.

Draw: Draw a large, clear scientific diagram of a flowering plant in the centre of the page. The style should be a neat, labelled botanical sketch. Include: 1) A root system underground, 2) A sturdy stem, 3) Broad green leaves, 4) A large, open flower showing the stamen (male part) and carpel (female part). Use clear, straight lines to connect your labels to the correct parts of the plant.



Label words: Roots · Stem · Leaves · Flower · Petals · Stamen · Carpel

Steps:

1. Label your drawing to show which part of the plant absorbs water and nutrients from the soil.
2. Explain why the petals of a flower are often brightly coloured.
3. Draw a small arrow on your diagram to show where the plant makes its own food using sunlight.
4. List the two main parts of the flower involved in the reproduction process.

5. What is the main job of the stem? Describe its function in one sentence.