

Bea's Garden Discovery

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

Read the passage about Bea the honeybee's garden and answer the questions below. Use full sentences for your answers.

Bea the honeybee loves visiting the flowerbed to find nectar. As she lands on a bright red petal, she notices how much the plant has grown since the spring. Below the soil, the roots are busy anchoring the plant firmly and soaking up water and nutrients from the earth. The strong green stem acts like a lift, carrying that water all the way up to the leaves and flowers. Bea knows that the leaves are very important; they act like tiny solar panels, catching sunlight to help the plant make its own food. Without sunlight, air, and water, the plant would not be able to grow big and strong. Bea also visits the flowers to help with pollination, which allows the plant to produce seeds for new plants to grow. She loves watching the garden change through the seasons, from a tiny seed to a magnificent, colourful display. Every part of the plant, from the hidden roots to the tallest flower, has a special job to do to keep it healthy.

Word bank: roots · stem · leaves · petals · nutrients · photosynthesis · pollination · germination

1. According to the text, what two things do the roots soak up from the earth? (2 marks)

2. What is the job of the plant's stem? (2 marks)

3. Why does the plant need its leaves to catch sunlight? (2 marks)

4. What might happen to the garden if there was no sunlight for a long time? (2 marks)

5. Bea says every part of the plant has a special job. Which part do you think is the most important for the plant's survival and why? (3 marks)

Draw: Draw a diagram of a flowering plant and label the roots, stem, leaves, and flower.
Draw Bea the honeybee hovering near the petals.



Extension challenge: Research how seeds travel away from their parent plant. Can you find three different ways seeds are scattered, such as by the wind or by animals?