



# Big Question:

## What do plants need to grow?

### Key Vocabulary

**Seed:** The small parts produced by plants from which new plants grow

**Bulb:** The name given to the underground bud or stem of a seed plant at resting stage

**Nutrients:** Food or nourishment. Plants make their own food in their leaves using sunlight.

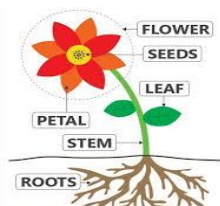
**Structure:** Something built or arranged in a specific way.

**Temperature:** How warm or cold somewhere is.

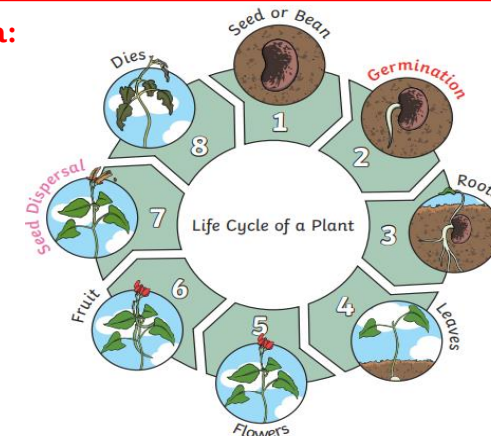
**Germinate:** When a seed starts to grow.

### Science Knowledge from Y1 that will help me answer the big question:

- The basic parts of a plant include root, stem, leaf, flower, petal, fruit, seed and bulb.
- Common plants in the United Kingdom include daisies, daffodils and grass.
- Trees are large, woody plants and have a trunk instead of a stem.



### New knowledge that will help me answer the big question:



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- Some plants grow from a seed.
- Some plants grow from a bulb.
- To grow into plants, seeds and bulbs need:
  - Nutrients from the soil
  - Water
  - Warmth
- To grow and stay healthy, plants need:
  - Water
  - Light
  - Suitable temperature
- If a plant doesn't have either water or light or gets too hot or cold, it will die.

<b>As a scientist, the essential knowledge I need to answer the big question is:</b>	<b>Date</b>
Plants grow from seeds and bulbs.	
Seeds and bulbs need nutrients from soil, water and warmth to start growing (germinate). As the plant grows bigger, it develops leaves and flowers.	
Plants need water, light and a suitable temperature to grow and stay healthy. Without any one of these things, they will die.	