



Investigation question:  
Do plants need soil to grow?



Key vocabulary

word

definition

germination

When the conditions are right, the seed soaks up water and swells. Then the tiny new plant bursts out of it's shell.

sprout

This is when a plant sprouts. It grows new shoots.

shoot

A shoot grows upwards from the seed or plant to find sunlight.

bulb

A bulb is the name given to the underground bud or stem of a seed plant at resting stage.

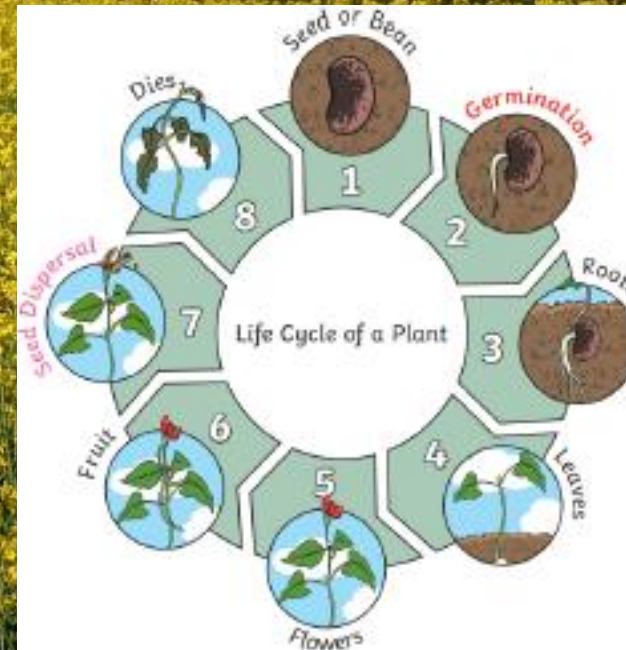
Key knowledge- what do plants need to grow well?

**Sunlight**- all plants need light from the sun to grow well.

**Water**- all plants need water to grow. Without water, seeds and plants will not **germinate**.

**Temperature**- is how warm or cold something is. Some plants like a cooler temperature. Some plants like a warmer temperature.

**Nutrition**- nutrition is food or nourishment. Plants make their own food.



Some plants grow first from a seed and then develop a bulb that helps them grow back year after year.

A bulb lets the plant rest underground over the winter when it is too cold. It will grow back later in the year when the conditions are right.



Daffodils and tulips are common plants that grow from a bulb.

