

Key Facts – What you need to know


- Observe and describe how seeds and bulbs grow into mature plants.
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy and how changing these affects the plant.
- Plants are living and eventually die.
- Describe the importance for humans of eating the right amounts of different types of food.

Key Vocabulary

Germination	When the conditions are right, a seed starts to grow.
Seedling	A young plant.
Shoot	A shoot grows upwards from the seed or plant.
Seed dispersal	When the seeds move away from the parent plant.
Nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight.
Temperature	How warm or cold something is. Some plants like cooler or warmer temperatures.

Pictures and Diagrams

Growth from Seeds/Bulbs into Mature Plants

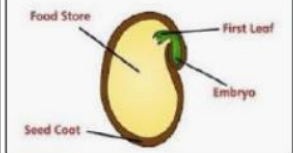
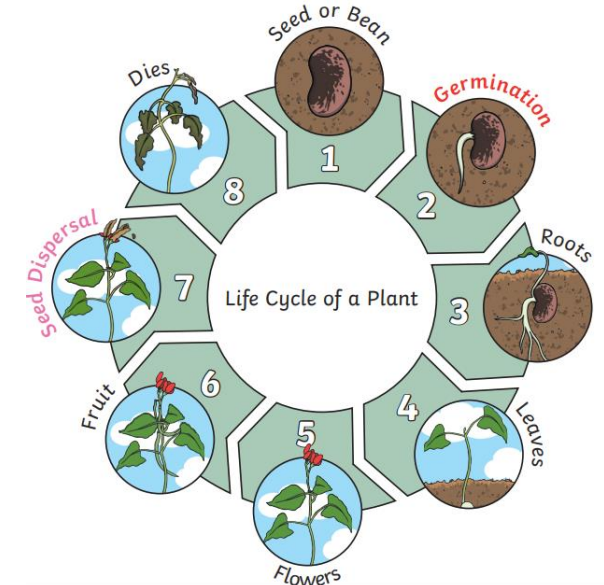


-Germination is the name for when a plant starts to grow. A plant is germinating when its seed begins to sprout.

-Inside a seed/bulb is the baby plant (an embryo). Seeds have a tough layer on the outside to protect the plant (the seed coat).





-Seeds and bulbs do not need sunlight in order to grow. They already have their own food store inside them!

-However, they do need the right conditions to grow. Normally, they need water, air and the right temperature. This can often be found in well-watered soil!

Observe	Using our senses to gather information and collect data from the natural world.
Describe	Write in words or give someone a verbal explanation of your observations.
Record	Putting down your findings in writing and creating some other permanent of your findings.
Compare	Estimate, measure or note the similarities and differences between things that are being observed.

What Plants Need to Grow

<p>Water and Nutrients</p>  <p>Like animals and humans, plants need water and nutrients to survive.</p> <ul style="list-style-type: none"> -Plants are able to get water from the soil through their roots. -They can also catch water on their leaves. 	<p>Light</p>  <p>Plants need lots of sunlight to help them grow.</p> <ul style="list-style-type: none"> -Plants do not eat food. They instead use sunlight to make their own food. -Too little light will leave plants weak.
<p>Temperature</p>  <p>-Plants need the temperature to be just right for them to grow properly.</p> <ul style="list-style-type: none"> -If it is too hot, they may burn and wilt. If it is too cold, they may freeze and die. This is why there are less plants at the poles and the deserts. 	<p>Space and Time</p>  <p>-Plants need room for their roots and stems to be able to grow. Without enough room, they may not grow large enough.</p> <ul style="list-style-type: none"> -Plants also need time – it can take days, months or even years for them to grow.