



Plants need water, light and a suitable temperature to grow and stay healthy.



Science Seeds, Soil and Sunshine

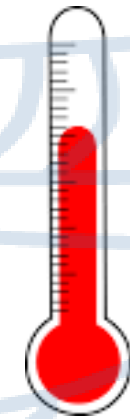
All plants need sunlight to grow. Some need a little (Spider Plants) and some need a lot (Hibiscus Plants).
What's your favourite plant?



Plants absorb water and nutrients from the soil. They need it to survive just like humans and animals.



Most plants need lots of sunlight to help them grow. They use sunlight to make their own food.
Do you know what the name for this is?



Plants need the right temperature to survive. If they are too hot they will wilt and die. If they are too cold they will freeze and die. It is important they are just the right temperature.



Key Vocabulary



germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination.
sprout	When a plant sprouts, it grows new shoots.
shoot	A shoot grows upwards from the seed or plant to find sunlight.
seed dispersal	Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.

We use more than 2000 different types of plants to create various delicious meals. **What plants do you like to eat?**

Did you know..? There are more than 300,000 plant species identified to date and the list is constantly getting bigger.



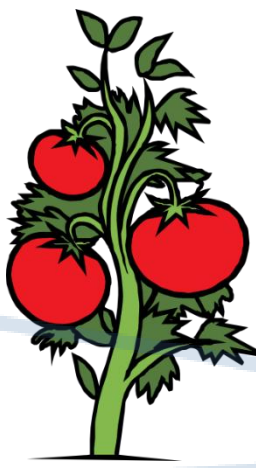
Key Vocabulary

pollination

To move or carry pollen to a plant, causing the seeds to be fertilised so they can reproduce (make more).

species

Types, categories



Plant Life Cycle

Pits from fruit fall to the ground and become seeds.

Mature tree with fruit that contains seeds.

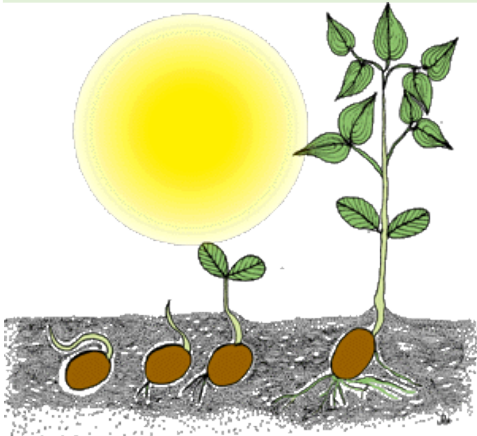
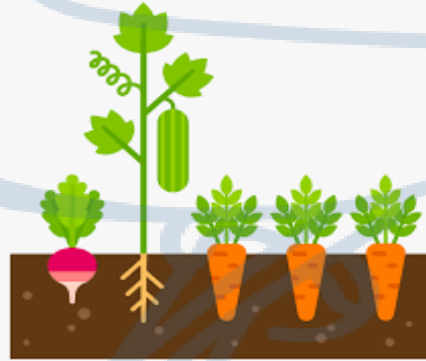
Seed

Seed with leaves

Seedling

Small tree

Growing tree



Plants grow from seeds. They grow into a young plant called a **seedling**. When a plant **sprouts** it grows a new **shoot**. This is called **germination**. A **shoot** grows upwards from the seed or plant to find sunlight. Plants need **water**, **nutrients**, **sunlight**, the right **temperature** and **space** to grow. Some plants grow fruit or flowers. **Seed dispersal** is when the seeds move away from the parent plant. The seeds find their way back into the soil and the whole life cycle starts again. **Pollination** is the process that allows plants to reproduce. In some cases, the wind blows pollen between plants, which causes pollen to transfer to the female reproductive part of the plant. However, most plants need bees and other insects to **pollinate** from one plant to the next.