

Science focus:

Plants

Year: 3

Term: Summer

Key Knowledge and vocabulary

Plants

life cycle

the different stages of life for a living thing

seed dispersal

A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival

seed pollination

The transfer of pollen from a male part of a plant to a female part of a plant to produce seeds.

roots

These anchor the plant into the ground and absorb water and nutrients from the soil.

stem/trunk

These hold the plant up and carry water and nutrients from the soil to the leaves. A trunk is the stem of a tree.

leaves

These make food for the plant using sunlight and carbon dioxide from the air.

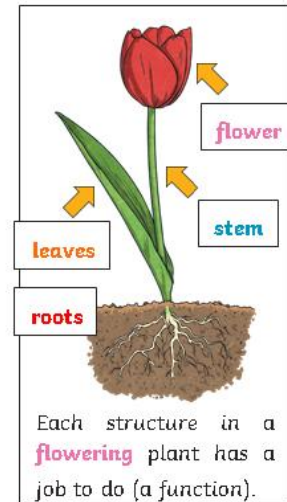
flowers

These make seeds to grow into new plants. Their petals attract pollinators to the plant.

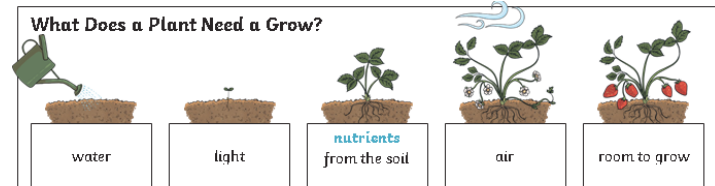
nutrients

These substances are needed by living things to grow and survive. Plants get nutrients from the soil and also make their own food in their leaves.

Diagram/ labels



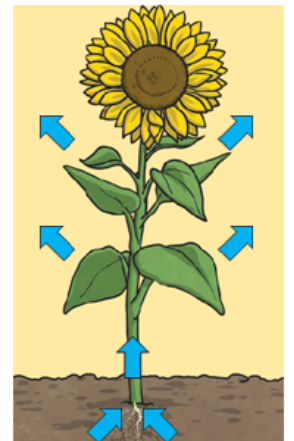
What Does a Plant Need to Grow?



Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.

How Water Moves through a Plant

1. The **roots** absorb water from the soil.
2. The **stem** transports water to the **leaves**.
3. Water evaporates from the **leaves**.
4. This evaporation causes more water to be sucked up the **stem**.



The water is sucked up the **stem** like water being sucked up through a straw.