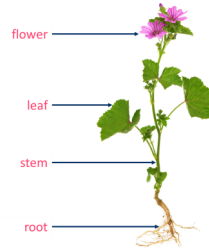


What should I already know?

Observe and describe how seeds and bulbs grow into mature plants
Describe how plants need water, light and a suitable temperature to grow and stay healthy

Enquiry Question

Does the number of seeds within one plant pot affect the growth of the plants?



Parts of a Plant and their Functions

Roots
The roots grow into the ground. They are responsible for getting water and minerals to the plant.
They expand into the ground to widen the area where they can find water. They also help to anchor the plant into the ground.

Leaves
Leaves use sunlight, air, and water to produce the plant's food. Leaves have veins inside them to allow water and nutrients to flow.
There are many different sizes and shapes of leaves to fit the plant's needs.

Stem/Trunk
The stem/trunk carries the water and nutrients up to the leaves. The stem also carries food from the leaves to the rest of the plant. Stems grow upwards, helping with pollination, photosynthesis and seed dispersal.

Flowers
The flower has male and female parts which work together to make seeds.
The petals of a flower attract insects for pollination. Once the seeds are formed they are dispersed in different ways. Some flowers form berries or fruits to help with seed dispersal.

Vocabulary

Water Transportation	the movement of water from the roots, through the stem, to the leaves and flowers
Seedling	a young plant grown from a seed that has not yet fully grown
Seed coating	the layer of a seed which breaks when wet
Germination	the process of a seed breaking its coating and sending out its first leaves and roots
Flower	helps the plant to reproduce and create new life
Stamen	stamen - the male parts of a flowering plant
Pistil	the female parts of a flowering plant
Pollen	tiny grains made in the male part of a plant
Reproductive organs	parts of a living thing needed to make offspring
Pollination	the transfer of pollen from the male part of a plant to the female part of a plant
Pollinators	animals which are used by plants to transfer pollen

Function of the flower

Flowers play an important role in the reproduction of plants.

The male part of a flower is called a stamen - it is made up of a filament and an anther. The anther contains pollen.

The female part of a flower is called a carpel. It is made from a stigma, a style, and an ovary.

When the male pollen lands on the female stigma, pollination occurs.

This process means that a seed is produced.

Pollination can be done by insects. They are drawn to flowers by their bright petals. When they feed on the flower's nectar they are dusted with pollen. They then spread this to other places when they leave.

Parts of a Flower

