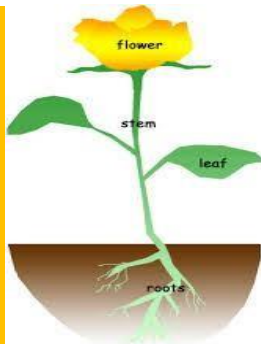


Functions of the main parts of a plant-prior knowledge



The main parts of a plant	• Flowers • Leaves • Stem • Roots
Flowers	<i>They have colour and smell to attract insects</i>
Leaves	<i>They change carbon dioxide and water into:</i> • <i>Food for the plant</i> • <i>Oxygen</i>
Stem	<i>They hold the plant up and carry water from the roots to the rest of the plant</i>
Roots	<i>They hold the plant in the ground and soak up water and minerals from the soil</i>

Sometimes plants bear fruits. Fruit is the part of the plant we often eat but its main job is to keep the seeds safe.

How plants grow and survive

To grow and survive plants need:

- Light
 - Water
 - Carbon Dioxide
- This is so that they can make their own food
- Warmth (This is because if plants get too hot or too cold they will die.)
 - Soil

How does a plant get water?

The roots take up water from the soil. The water travels through the stem of the plant to the leaves.

Key Vocab

1	Petal	A way to describe something
2	Stamen	The male part of a flower containing pollen
3	Carpel	The female part of a flower containing an egg
4	Fertilisation	When pollen and an egg join together to make a seed
5	Dispersal	Spreading things over a wide area
6	Pollen	A powdery yellow substance from the male part of a flower
7	Nectar	A sweet fluid in flowers that attracts insects

What jobs do they do?



Roots

Where do we find the roots of a plant?

They grow underneath a plant, below the surface of the soil.

Roots are usually long and are covered in small hairs.

The roots anchor the plant in the ground.

They absorb water and nutrients from the soil.



Stem or Trunk

What is a stem or trunk?

Branches, leaves and flowers grow from the stem or trunk.

A trunk is woody, and often has a layer of bark around it.

What job does it do?

The stem or trunk holds the plant up.

It also carries water and nutrients from the roots to the leaves.

What jobs do they do?

Leaves

What job do leaves do?

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



Flowers

Flowers are brightly coloured to attract insects and birds.

The insects carry pollen to other flowers.

Flowers use the pollen to make seeds to grow new plants.



How does pollen get from one plant to another?

Insects

The insect goes to the first flower looking for nectar.

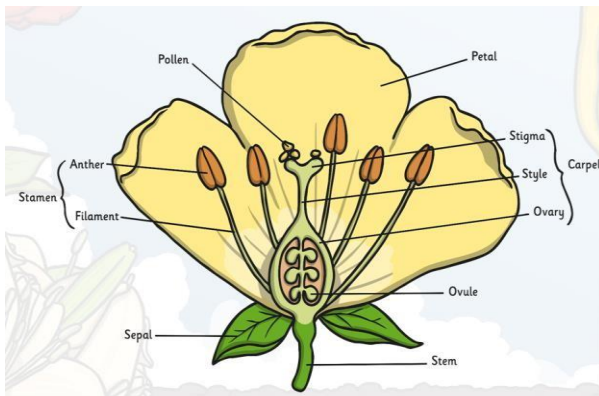
Pollen gets stuck to it
When it goes to another flower the pollen gets stuck to that flower

Wind

Pollen is blown from one flower to another



Parts of a Flower



The Importance of flowers

The job of the flower

The flower exists to make new plants
The flower contains pollen and eggs which make seeds
The seeds grow into new plants

Parts of the flower

Petal
Stamen (the male part of a flower)
Carpel (the female part of a flower)

Pollination

For a plant to grow a new seed, pollen needs to get to its carpel from another plant

Fertilisation

When the pollen joins the egg of the new flower a seed or many seeds are

formed



Wind The seeds are blown by the wind

Animals They are eaten by animals and
 pooped out

Explosion Dry seed pods split open and
 shoot out the seeds