

Mickleover Primary School – Science Knowledge Organiser

Title: Plants

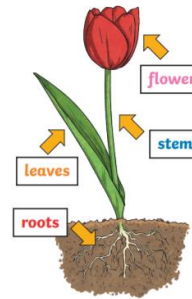
Year Group: 3

Term: Summer 1

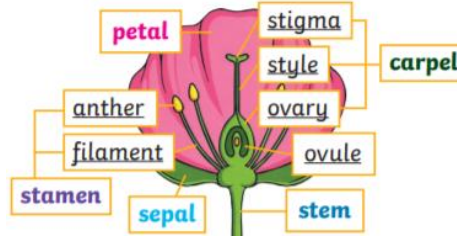
Vocabulary you will know...

Roots	These anchor the plant into the ground and absorb water and nutrients from the soil.
Stem	This hold the plant up and carries nutrients and water 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	Substances that are needed by living things to grow and survive.
Evaporation	When a liquid turns into a gas.
Fertilisation	When the male and female parts of the flower have mixed in order to make new seeds for the plant.
Pollination	When pollen is moved from the anther of a flower to the stigma.
Pollinator	Animals or insects which carry pollen between plants. E.g. Birds, bees and bats.
Seed Dispersal	A method of moving the seeds away from the parent plant so the seeds have the best chance of survival.

Parts of A Plant



Parts of A Flower



Male Parts of A Plant

Stamen: Made up of the anther and the filament.

Anther: Makes the pollen.

Filament: Holds up the anther

Female Part of A Plant

Carpel: Made up of the stigma, style and ovary.

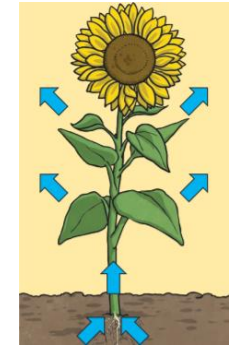
Style: Holds up the stigma.

Stigma: Collects the pollen

Ovary: Contains the ovules that get **fertilised** and become new seeds.

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.

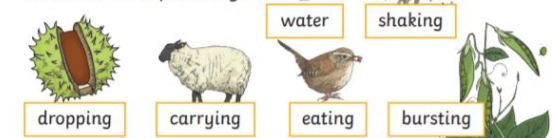


The water is sucked up the **stem** like water being sucked up through a straw.

Seed Dispersal

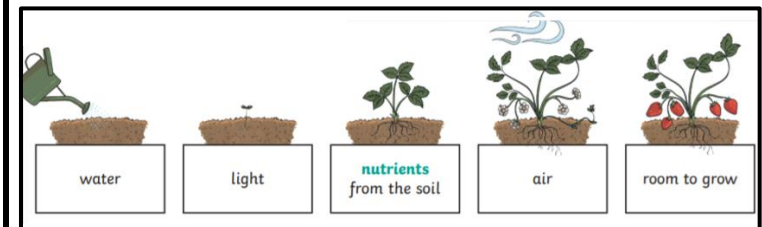
Seed Dispersal

Seeds can be dispersed by:



What Does a Plant Need To Grow Well?

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



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PROUD

SUCCESSFUL

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