

Key Vocabulary:

Function – A practical use or purpose

Transported – To take or carry from one place to another

Transpiration – How water moves up the plant (against gravity)

Flowering – A flower in bloom

Life Cycle – The stages an animal or plant goes through e.g. germination, growing & flowering, pollination, fertilisation & seed formation and seed dispersal

Pollination – When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther of a flower to the female stigma to allow fertilisation

Seed formation – The final part of reproduction, when a new seed is formed

Seed dispersal – A method of moving seeds away from the parent plant so that the seeds have a better chance of survival. Some seeds will grow into new plants.

Fertilisation – When the male and female parts of the flower have mixed in order to make seeds for new plants

Germination – When a seed starts to grow

Food Source – A source of food usually from plants or animals



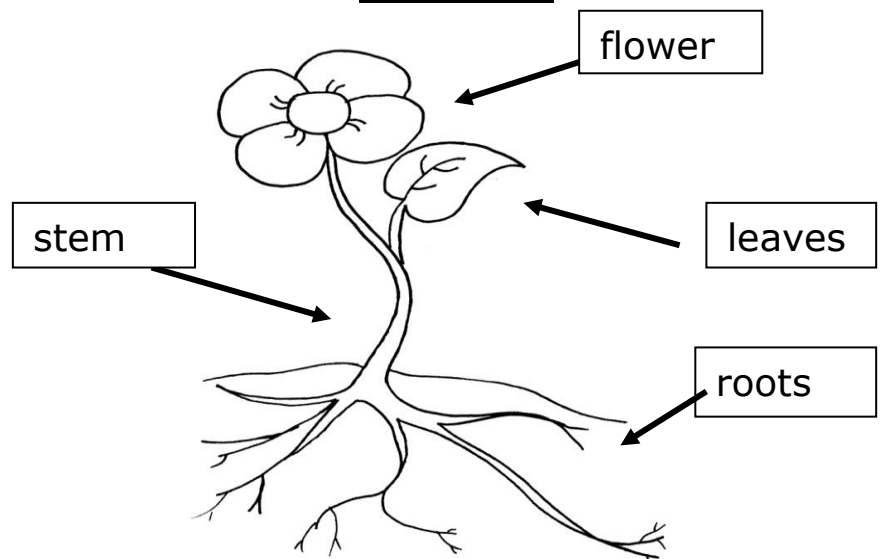
Holy Family Halewood Year 3 & 4 Science Plants



Learning Objectives:

- To identify and describe the functions of the roots of flowering plants
- To investigate the way in which water is transported within plants
- To identify and describe the functions of leaves in flowering plants
- To explore the part that flowers play in the life cycle
- of flowering plants, including pollination, seed formation and seed dispersal
- To explore some of the ways in which flowering plants disperse their seeds
- To understand the structure of seeds and their importance as a food source

Parts of a Plant



Seed Dispersal

Seeds can be dispersed by:



dropping



carrying



water



eating

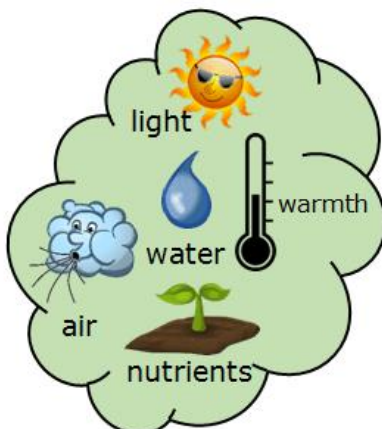


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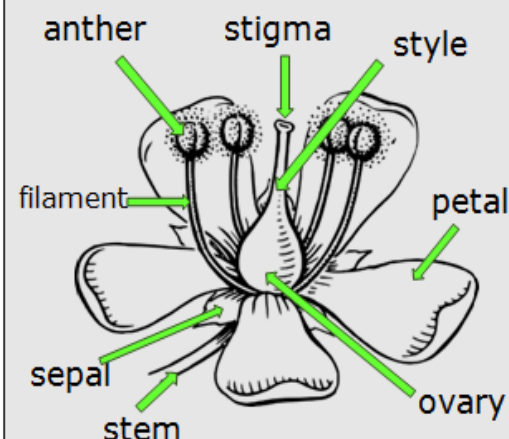


bursting

What does a plant need to grow?



PARTS OF A FLOWER



Did you know?

Smaller plants find it hard to survive when larger plants take up space. They block out sunlight and take nutrients and water from the soil.



Not all plants produce flowers. These non-flowering plants, such as Ferns and mosses. They grow from spores instead of seeds. Non-flowering plants as well as flowering plants make their own food through photosynthesis.