Definition

Science Knowledge Organiser

Year 3 Term 2.2 2023-24 Plants



Vocabulary An invisible gas, made up of mainly oxygen and nitrogen with some carbon dioxide. Parts of foods that a living nutrients thing uses to survive and grow. Substance on the surface of soil the Earth in which plants grow, made up of pieces of rock and humus.

plants.

more plants.

Substance that is added to

soil to help the growth of

When pollen is moved from

plant to plant to produce

When seeds are carried away

from the parent plant.

Key

fertiliser

pollination

seed dispersal

Key Vocabulary

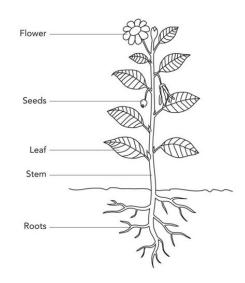


In key Stage 1 you learnt:

To identify and name a variety of common and wild garden plants.

How to identify and describe the basic structure of a variety of common flowering plants, including trees.

Parts of a flowering plant



How seeds and bulbs grow into mature plants and you found out how plants need water, light and a suitable temperature to grow and stay healthy.

Anna Atkin

(1799—1871)



Botanist and photographer from England.

A botanist is somebody who studies plants.

Significant People

Often considered the first person to publish a book illustrated with photographic images— Photographs of British Algae.

Atkins kept the algae, ferns and other plants that she used in her work and in 1865 donated her collection to the British Museum.

Requirements for growth



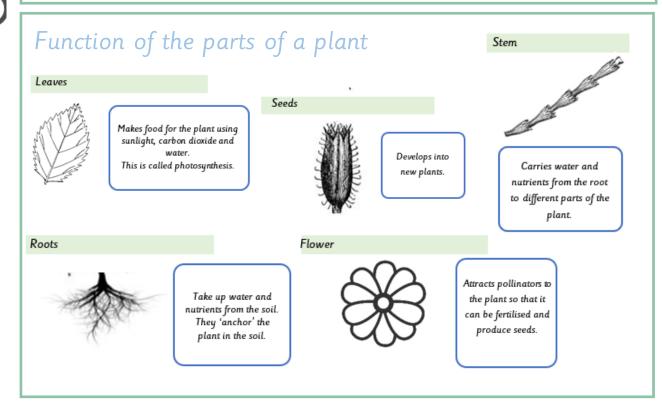
The sun provides energy for plants to make their own food energy in their leaves. It also provides warmth to help growth.



Plants take in carbon dioxide from the air to use in the process of PHOTOSYNTHESIS. This process gives off oxygen which we use to respire.



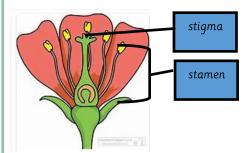
Water is used in PHOTOSYNTHESIS to help the plant make its own food. Water moves nutrients from the soil up through the roots to the stem and then the leaves through a process called TRANSPIRATION. Water helps plants stay upright.



Seed dispersal Fertilisation and seed formation Germination Growing and flowering Pollination

Pollination

Pollination is the transfer of pollen from the stamens of one flower to the stigma of another flower of the same type.



Seeds are then made which can be dispersed by different ways: wind, by being eaten or carried, water.