

Key Concepts

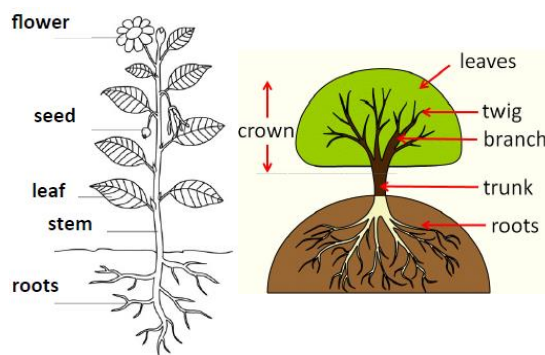
Plants are living things and require things to grow

Plants require things such as water, warmth, nutrients from soil and light to grow. If they do not have one or more of these things, they may stop growing.

Plants can:

- move
- grow
- react to their surroundings (sense)
- absorb nutrients
- reproduce

What are the parts of common trees and plants?



Which plants do we eat?

Many plants provide us with food by bearing fruits which carry their seeds. When farmers grow plants to provide us with food, these are called crops. We eat many fruits that contain seeds (including tomatoes!).

We also eat different parts of vegetable plants:







- root vegetables (carrots, potatoes)
- stem vegetables (celery, spring onion)
- leafy vegetables (cabbage, lettuce)
- flowering vegetables (cauliflower, broccoli)
- We eat grains and cereals from plants too (wheat, oats).
- Nuts and seeds are also sometimes edible (sesame seeds, pumpkin seeds, peanuts).
- Many herbs are also grown to add flavour to foods.



Key Vocabulary

branches	parts that grow out from the tree trunk and have leaves, flowers, or fruit growing on them
bulb	a root shaped like an onion that grows into a flower or plant
common	something that is found in large numbers or it happens often
crop	plants such as wheat and potatoes that are grown in large quantities for food
deciduous	a tree that loses its leaves in the autumn every year
evergreen	a tree or bush which has green leaves all the year round
herb	a plant whose leaves are used in cooking to add flavour to food, or as a medicine.
plant	a living thing that grows in the earth and has a stem, leaves, and roots
root	the parts of a plant that grow under the ground
seed	the small, hard part from which a new plant grows
stem	the thin, upright part of a plant on which the flowers and leaves grow
trunk	the large main stem from which the branches grow
vegetable	plants such as cabbages, potatoes, and onions which you can cook and eat
vegetation	plants, trees and flowers
weed	a wild plant that grows in garden and prevents the plants that you want from growing properly
wild	animals or plants that live or grow in natural surroundings and are not looked after by people

Working Scientifically Skills

	Asking questions		Observing and measuring
	Explaining results – saying what we found out		Recording information
	Using books, videos, the internet, people and photos to find answers.		Looking for patterns – sorting and grouping

Famous Scientists



Gregor Mendel (1822-1884) was a German biologist who established the rules of heredity through a study of plants.