

What should I already know?
 I know the part that flowers play in the life cycle of flowering plants including pollination, seed formation and seed dispersal.

Enquiry Question
 Which plant cutting produces the tallest plant?

Vocabulary	
Fertilisation	the joining of a male and female sex cell to create a new life
Reproduce	to produce another living thing of the same kind.
Sperm	male reproductive cell.
Live young	an embryo develops inside the body of the parent eventually being born alive.
Sexual	process of reproduction that require both male and female of a species.
Asexual	identical offspring produced from only one parent.
Plantlets	Form between leaves eventually falling off to produce a new plant.
Runners	thin stem that usually grows along the ground producing roots and shoots.
Cuttings	A piece of the root or stem that is used to create another plant.
Clone	a plant or animal that was produced asexually and is identical to its parent
Tuber	a thick stem that grows underground that produces new clone plants

Plant Life Cycles

Plants are able to reproduce in two ways - sexual reproduction and asexual reproduction.

Sexual reproduction in plants is cyclical, following this process:

Germination - The plant begins to grow from a seed. Roots form under the soil and a stem, leaves and flower shoots above the surface.

Pollination - Pollen produced by the flower is carried by insects or blown by the wind to another flower.

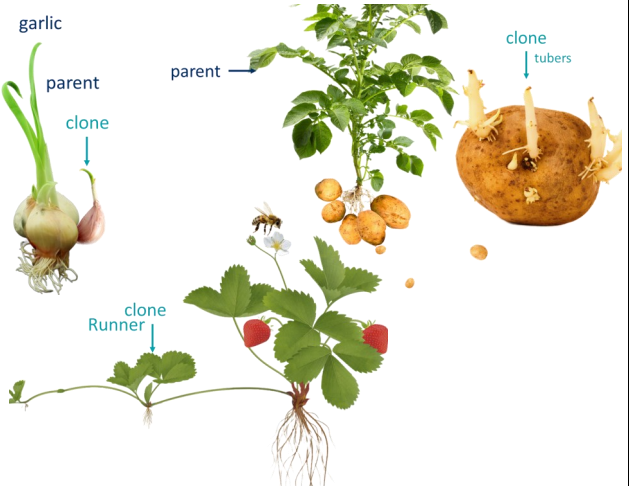
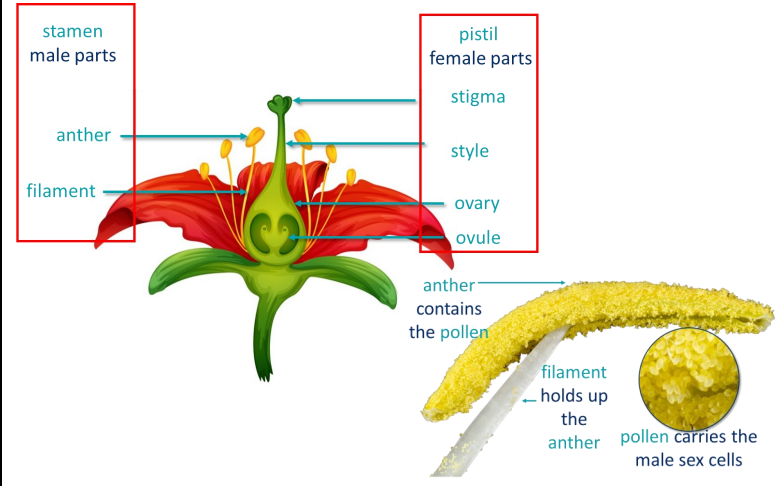
Fertilisation - The pollen reaches another flower and makes its way to the ovary, where it is fertilised.

Asexual reproduction involves plants producing an identical copy of themselves. This can happen in a number of different ways.

Bulbs -Some plants are able to produce bulbs (e.g. daffodils and snowdrops).

Dispersal - The seeds are scattered by animals or the wind.

Tubers -Others, like potatoes produce tubers. Tubers lie below the soil and grow into plants the next year.



Most mammals give birth to live young. Length of gestation varies in mammals. After gestation, females give birth to live young.

Human development in the womb

