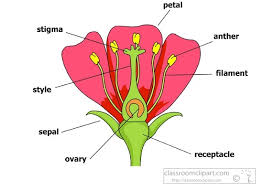
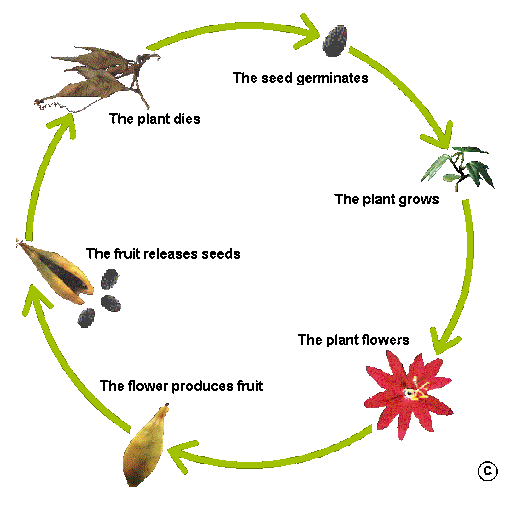
A life-cycle shows all the stages that a plant grows through to reproduce.

**My Knowledge Organiser – Flowering Plants Year 3**

**Vocabulary**

|  |  |
| --- | --- |
| Reproduction | When a living thing such as a plant makes new offspring - plants |
| Flower | The part of a plant that allows the plant to reproduce |
| Nectar | A sweet liquid that flowering plants make to attract insect to the flower so they can spread pollen |
| Seed | The flower produces a seed which can grow into a new plant |
| Stamen | The male part of a flower that produces pollen |
| Filament | This is like a stem to hold up the anther |
| Pollen | The tiny male part of the flower that is transferred to another flower so it can create a seed |
| Pistil | The female part of a flower made up of the stigma, style and ovary |
| Stigma | The female part of the flower that the pollen lands on |
| Ovule | The tiny female part that is in the ovary and can grow into a seed if it joins with pollen |
| Receptacle | The thick part of a stem that the flower grows from |
| Germination | The time when a seed just begins to grow if there is water |
| Pollination | When pollen from one flower is transferred to the stigma of another flower |
| Fertilisation | When the pollen grain from one flower joins with an ovule in another to begin making a seed |
| Seed Dispersal | When seeds are scattered to a new place where they could germinate and grow into a new plant. |

The Parts of a Flower The Life-cycle of a Flowering Plant

All the parts of a flower

have a special job to do in

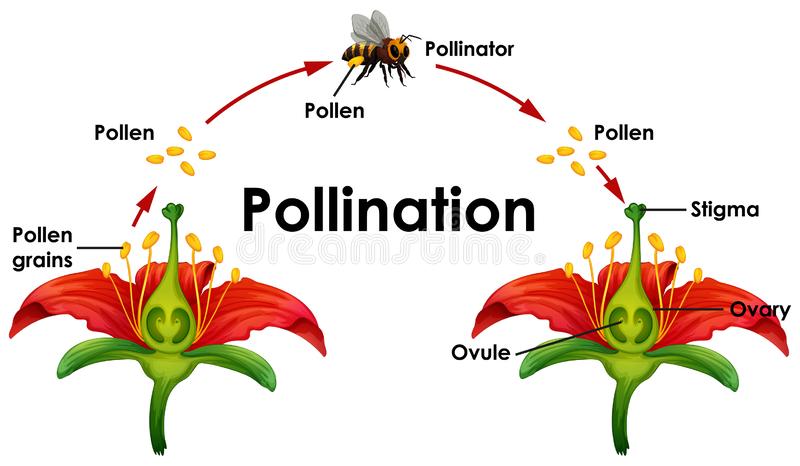
reproduction.

Pollination

This is when pollen is transferred from one flower to another.

It can happen in different ways.

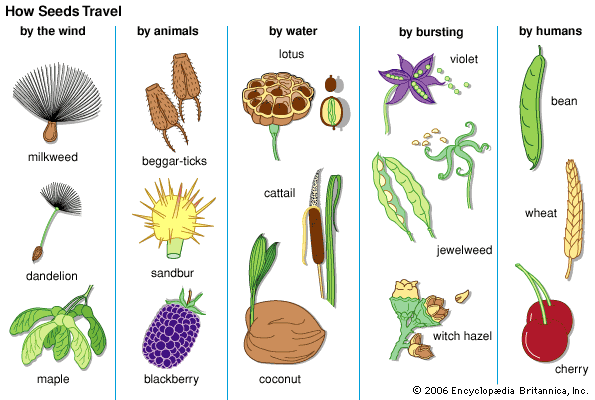
Flowering plants use insects to help them.



Seed Dispersal

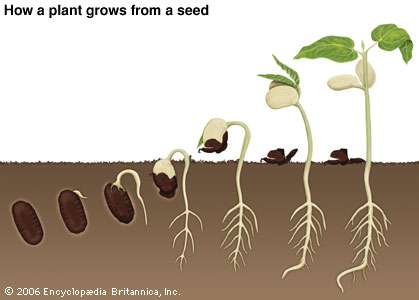
When flowers have done their job of creating seeds they can be scattered out to new places in different ways. If they land in the right place where there is water, space, warmth and light, they will grow into new plants

Wind Animals Water Bursting People



Germination

This is the process where seeds begin to grow into new plants.



For a seed to germinate and grow into a healthy plant it needs;

* Water
* Space
* Light
* Soil
* Warmth