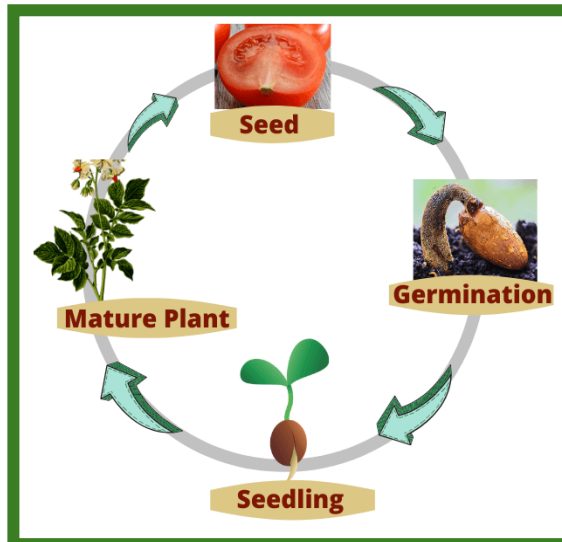


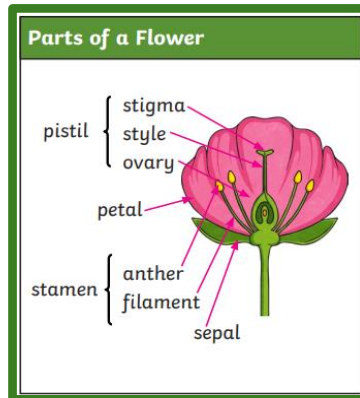
Why are plants so important to us and the Environment?



- Plants need a number of different things in order to grow, including water and nutrients, light, the right temperature, space and time.
- Plants begin life as seeds or bulbs. Seeds do not need sunlight as they have their own food store.
- Water and oxygen allow seeds and bulbs to germinate (start to grow).
- Plants have a life cycle, that includes the seed, seedling and flowering stages.

Vocabulary

<i>fertilisation</i>	<i>pollen combines with an ovule and a seed is produced.</i>
<i>flower</i>	<i>the part of the plant that makes seeds.</i>
<i>germination</i>	<i>the process when a seed starts to grow.</i>
<i>leaf</i>	<i>the part of the plant that makes food from the sunlight.</i>
<i>pistil</i>	<i>the female part of the flower.</i>
<i>pollination</i>	<i>the process where pollen is transferred to the female part of a flower.</i>
<i>roots</i>	<i>anchor the plant to the ground and absorb water and nutrients.</i>
<i>seed</i>	<i>a small, fertilised ovule that can grow into a new plant.</i>
<i>seed dispersal</i>	<i>the method of moving seeds away from the parent plant.</i>
<i>stamen</i>	<i>the male part of the flower.</i>
<i>stem</i>	<i>carries the water and nutrients.</i>



Seed Dispersal

Plants disperse their seeds in a variety of ways.

 wind	 water
 animal (carrying)	 animal (eating)
 bursting	

Water Transport in Plants

- Water is found in the soil by the roots.
- The water is drawn up from the roots to the stem.
- The water travels up small tubes in the stem called xylem.
- Water reaches the leaves and flowers, keeping them hydrated.
- Water escapes from the plant as vapour (a gas) through tiny holes.

