

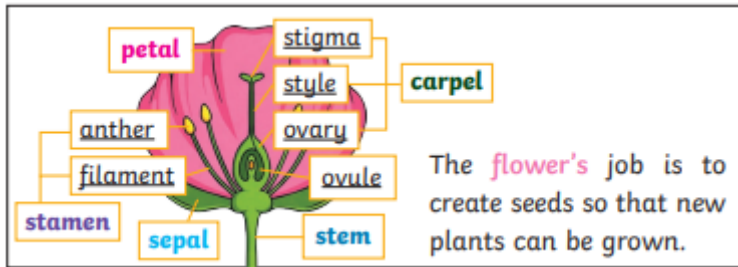
# Bishop Bronescombe C of E Primary School



Topic: Plants

Year 3/4

Science



## Seed Dispersal

Seeds can be dispersed by:



dropping



carrying



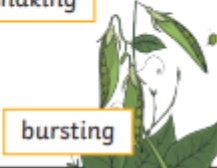
water



shaking



eating



bursting

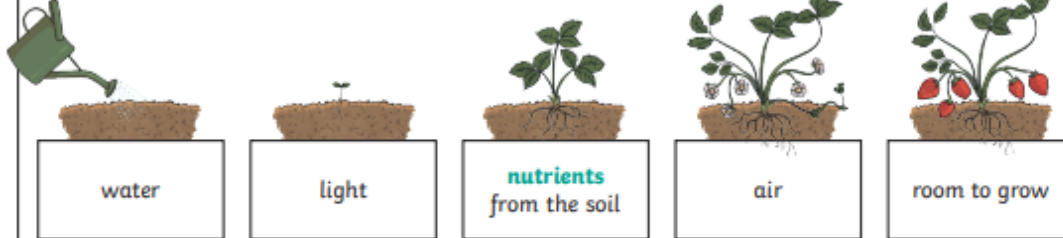
## nutrients

These substances are needed by living things to grow and survive. Plants get **nutrients** from the soil and also make their own food in their **leaves**.

## evaporation

When a liquid turns into a gas.

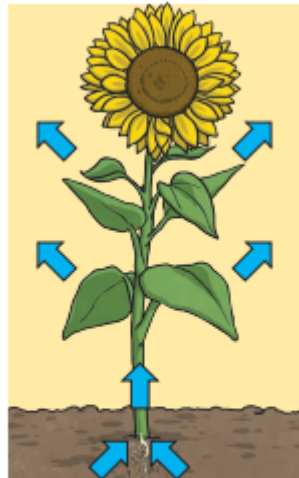
## What Does a Plant Need to Grow?



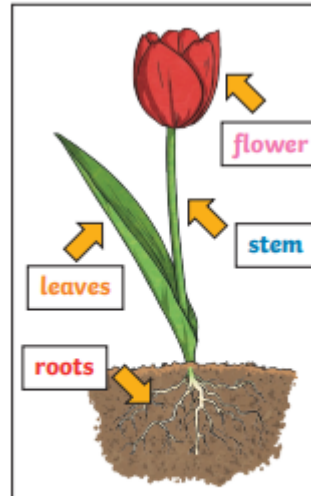
Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.

## How Water Moves through a Plant

1. The **roots** absorb water from the soil.
2. The **stem** transports water to the **leaves**.
3. Water **evaporates** from the **leaves**.
4. This **evaporation** causes more water to be sucked up the **stem**.



The water is sucked up the **stem** like water being sucked up through a straw.



## fertilisation

When the male and female parts of the **flower** have mixed in order to make seeds for new plants.

## pollination

When pollen (a fine powdery substance produced by a **flowering** plant) is moved from the male anther of a **flower** to the female stigma.

## pollinator

Animals or insects which carry pollen between plants. Examples include birds, bees and bats.

## germination

When a seed starts to grow.

## seed dispersal

A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.



## Life Cycle of a Flowering Plant

**Seed Dispersal**  
The fully formed seeds are moved away from the parent plant.

**Germination**  
The seed starts to grow.

**Growing and Flowering**  
The plant grows bigger and forms a **flower**.

**Fertilisation and Seed Formation**  
The pollen joins with an **ovule** and a seed starts to form.

**Pollination**  
Pollen from the **anther** lands on the **stigma** and travels down the **style**.

