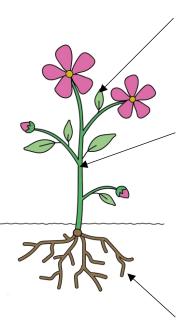
Plants

What do plants need to stay healthy and grow?

- •Plants need oxygen, carbon dioxide, water, light, nutrients from the soil, space, and a suitable temperature to grow.
- •Different plants have different requirements. This depends on the environment they live in.



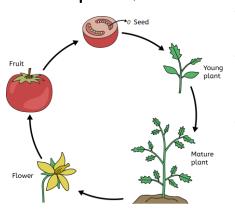
Leaves use sunlight, carbon dioxide from the air and water to make their own food.

The **stem/trunk** supports the plant. The **xylem** transports water and nutrients from the roots, and the **phloem** transports food from the leaves to the all parts of the plant.

Roots absorb **nutrients** from the soil and help anchor the plant.

Plant life cycle

A plant's life cycle has **germination**, **growth**, and **reproduction** (**pollination**, **fertilisation** and **seed dispersal**).



- •Pollination and fertilisation usually take place in flowers.
- Seeds can be dispersed by wind, by animals (attached to animal fur), or seeds can be self-propelled.
- Seed dispersal is important to make sure there is enough space, water and other things for the seeds to germinate and plants to grow.

Key vocabulary

- •fertilisation (noun): this forms a seed in a plant.
- •germination (noun): the process of a plant developing from a seed.
- pollination (noun): the process of pollen from one flower being transferred to another.
- •dispersal (noun): The process of spreading out. In this case, the process of seeds being spread out by animals and wind.

