

Plants

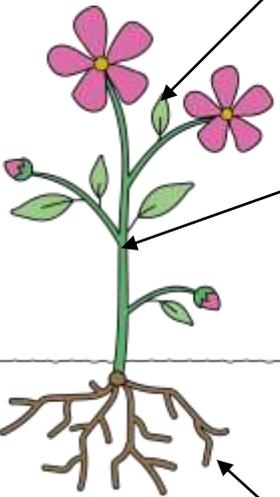
What do plants need to stay healthy and grow?

- 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.

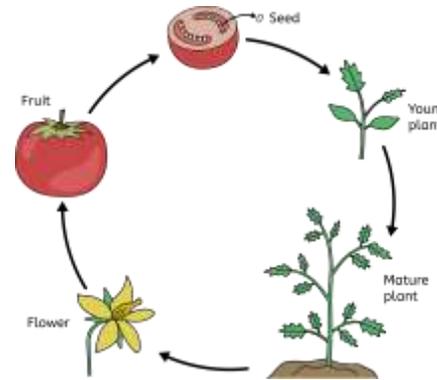
The **stem/trunk** supports the plant. The **xylem** transports water and nutrients from the roots, and the **phloem** transports food from the leaves to the all parts of the plant.

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.

