

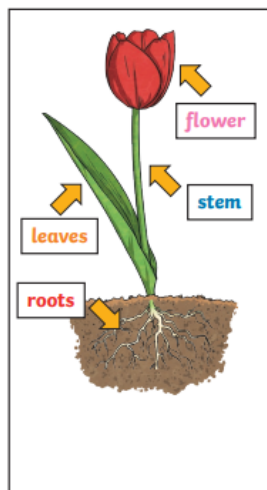
Key Vocabulary

Year 3

Biology—Plants

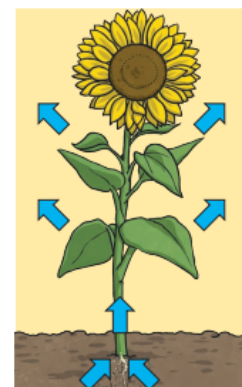
Key knowledge

Roots	These anchor the plant into the soil and absorb water and nutrients from the soil.
Stem	This holds the plant up and carries water and nutrients from the soil to the leaves.
Leaves	These make food for the plant using sunlight and carbon dioxide from the air
Flowers	These make seeds to grow into new plants. Their petals attract pollinators to the plants
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
Fertilization	When the male and female part of the flower have mixed in order to make seeds for new plants
Petal	The brightly coloured part of the flower that attracts insects to pollinate the plant
Stamen	The male part of the flower made up of the anther and filament. The anther part makes the pollen.
Carpel (Pistil)	The female part of the flower made up of the stigma, style and ovary
Sepal	Leaf-like structure that protects the flower and the petals before they open out.
Pollination	When pollen is moved from the male anther to the female stigma.
Pollinator	Animals or insects which carry pollen between plants. E.g. birds, bees, ants



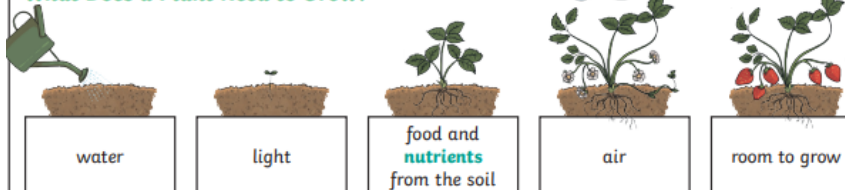
How Water Moves through a Plant

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**.

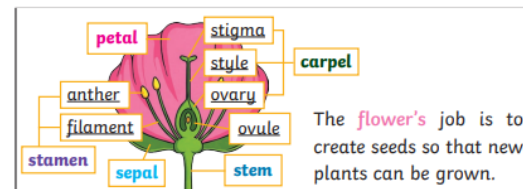


The water is sucked up the **stem** like water being sucked up through a straw.

What Does a Plant Need to Grow?

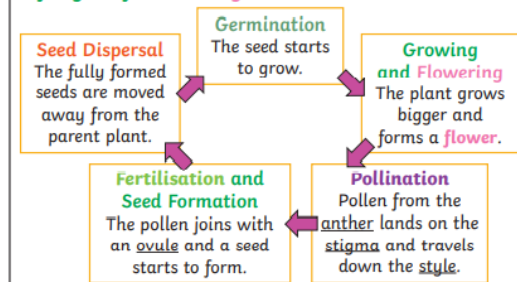


Different plants vary in how much of these things they need. For example, cacti can survive in areas with little water, whereas water lilies need to live in water.



The **flower's** job is to create seeds so that new plants can be grown.

Life Cycle of a Flowering Plant



Famous Scientists

I will be able to

- Identify and describe the functions of different parts of a flower
- Explore the needs of plants for life and growth and how they vary from plant to plant
- Investigate the way water is transported within a plant
- Explore the part that flowers play in the life cycle of flowering plants

Investigation

Investigate the way in which water is transported within plants

- Can I make careful observations?
- Can I measure accurately?
- Can I use my observations to suggest how water is transported?