

Year 3 and 4 2021/22 Science Knowledge Organiser

Plants

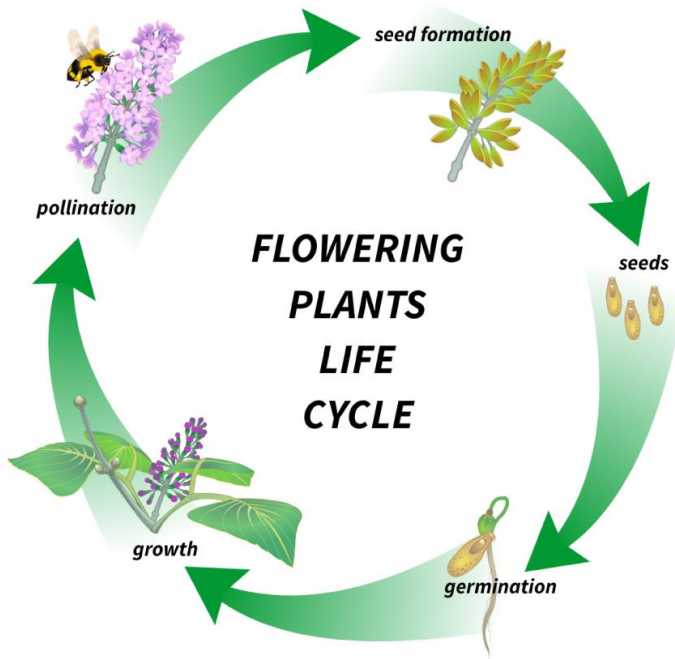


Figure 1: A diagram to show the lifecycle of a flowering plant.

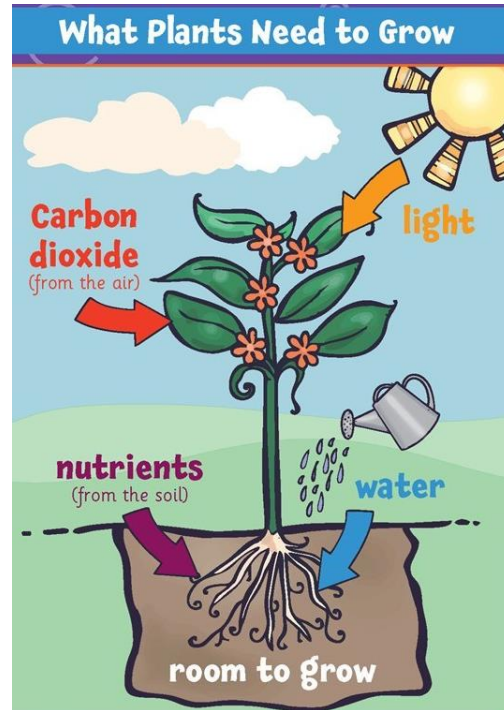
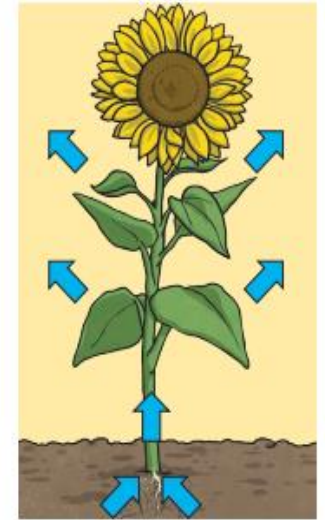


Figure 2: A diagram to show what plants need to grow.

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.

Figure 3 A model to show the water transportation process in plants.

Key Vocabulary

Word	Meaning
Water Transportation	The way water travels within a plant.
Nutrients	What the plant needs grow and remain healthy.
Soil	The earth where the seed is planted to grow.
Pollination	The process where pollen is transported from the male part of the plant to the female part to form new seeds.
Seed dispersal	Where new seeds are released from a plant to grow new plants.
Reproduction	The process of a plant producing new seeds after being pollinated which grow into new plants.
Life-Cycle	The stages of plant life from seed to full growth.
Evaporation	Where water changes state from liquid to gas.