

### What will we be learning?

- Know the difference between seeds and bulbs.
- Design an experiment to know what plants need to grow.
- Describe what plants need to grow and stay healthy.
- Describe the life cycle of a plant.
- Observe and record the growth of plants over time.
- Understand that plants adapt to suit their environment.

### Key vocabulary:

- **Observe:** use our senses to gather information and collect data from the natural world.
- **Describe:** write in words or give someone a verbal explanation of your observations.
- **Record:** put down findings in writing or creating a permanent way to show your findings.
- **Compare:** measure or note the similarities and differences between things that are being observed.
- **Photosynthesis:** the process in which green plants use sunlight to make their own food.
- **Carbon dioxide:** plants use this to make their own food in a process called photosynthesis.
- **Oxygen:** one of the main gases that make up air.
- **Glucose:** a sugar that plays a vital role in the metabolism of most living organisms.
- **Pollination:** the process that allows plants to reproduce.
- **Germination:** the process by which a plant grows from a seed.

Tick everything that a plant needs to grow.	
Light	
Shelter	
Water	

Before an experiment, you might make a...	
Method	
Evaluation	
Prediction	

### What Plants Need to Grow

Plants need **water** to survive. Plants get water through their roots.

Plants need the right **temperature** to grow.

Plants need **sunlight** to help them grow and make their own food.

Plants need **room** to grow. Plants need time to grow. It can take days, months or even years for them to grow.



### Life Cycle of a Plant

A plant **germinates** when it starts to grow. Inside a seed/bulb is the baby plant. Seeds are covered with a seed coat.

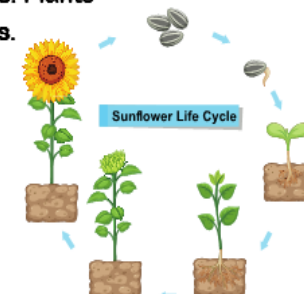
Seeds need the right conditions to grow. Seeds need water, air and the right temperature to grow.



### Life Cycle of a Plant

Plants begin life as **seeds or bulbs**. They need soil, air and water to grow. Plants grow into young plants called **seedlings**. Plants grow **flowers and fruits**.

These produce seeds. When the plant is pollinated, the seeds find their soil. The process starts again!



Match the word to the correct definition.

seed

A plant bud that begins to grow underground.

bulb

A part of a plant from which a new plant can grow.