



# Science Knowledge Organiser: What do plants need in order to grow?

## BIOLOGY

### What do I already know?

- There are four different seasons.
- Plants grow over time.
- There are lots of different types of trees and plants.

### Seeds and Bulbs



### Key vocabulary and definitions:

**Plant**- a living thing that usually grows from the ground.

**Flower**- The part of a plant that blossoms.

**Leaves**- use light, air and water to make food for the plant.

**Stem**- Carries water and nutrients to different parts of the plant.

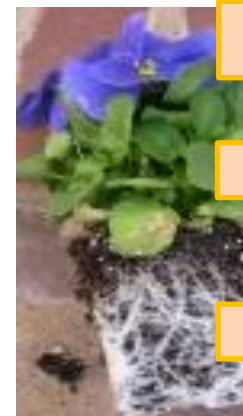
**Roots**- Holds the plant in the ground and absorbs water and nutrients from the soil.

**Seed**- production of flowering plant, develops into another plant.

**Bulb**- round storage system in some plants e.g lily, daffodil.

**Bud**- compact growth on a plant which develops into a leaf, flower. or shoot.

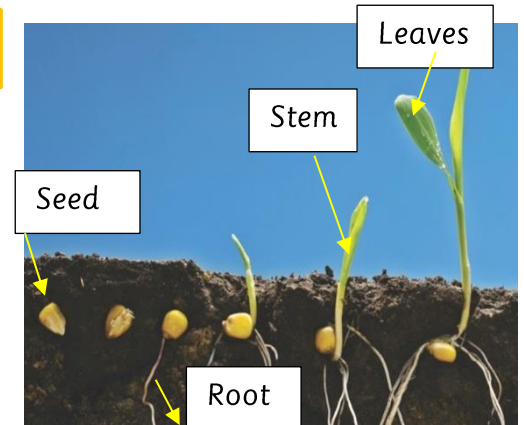
**Blossom**- a flower or mass of flowers on a tree or bush.



Petals/Flower

Leaves

Roots



Root

### What will I know by the end of the unit?

- Be able to name a variety of common wild and garden plants.
- Understand how seeds and bulbs grow into mature plants.
- Be able to name and label different parts of plants.
- How to classify different seeds and bulbs in different ways.
- Order the lifecycle of a sunflower.

### FUN FACTS

- The average strawberry has 200 seeds!
- Some seeds have special parachutes or wings to help them fly
- The largest seed in the world is the double coconut. It can measure up to 50cm (1.6ft) around the middle!

