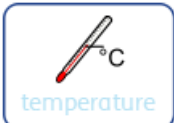
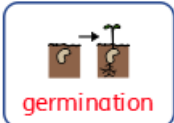


Key vocabulary

germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination .
plants	One large group of living things that use sunlight to make their own food. Most plants have leaves, stems, roots and either flowers or cones.
sprout	When a plant sprouts , it grows new shoots .
shoot	A shoot grows upwards from the seed or plant to find sunlight .
seed dispersal	Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.
sunlight	All plants need light from the sun to grow well. Some plants need lots of sunlight . Some plants only need a little sunlight .
water	All plants need water to grow. Without water , seeds and bulbs will not germinate .
temperature	Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures .
nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight .
hydroponics	A method where you can grow plants without soil.



Seed dispersal

Seeds can be dispersed by:

water

dropping carrying eating

shaking bursting

Thinking Deeper Challenge
Can you use this knowledge organiser to make a leaflet all about plants on Purple Mash?

In the future

- I can explore and describe how water is transported within plants.
- I can explore and describe the need of different plants for survival.

I will learn

- I can describe how seeds and bulbs grow into plants.
- I can describe what plants need in order to grow and stay healthy (water, light & suitable temperature).

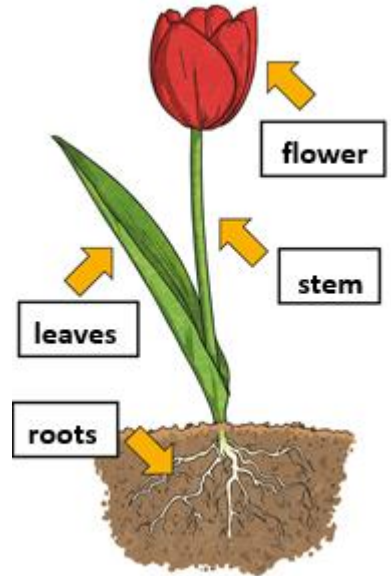
I should already know

- I can name a variety of common wild and garden plants.
- I can name the petals, stem, leaf and root of a plant.
- I can name the roots, trunk, branches and leaves of a tree.

What Does a Plant Need to Grow?

water	light	nutrients from the soil	air	room to grow
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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. Some plants are grown using the hydroponic method so they don't need soil to survive.



Life cycle of a plant

