



Knowledge Bank: Year 3 Science - Plants.

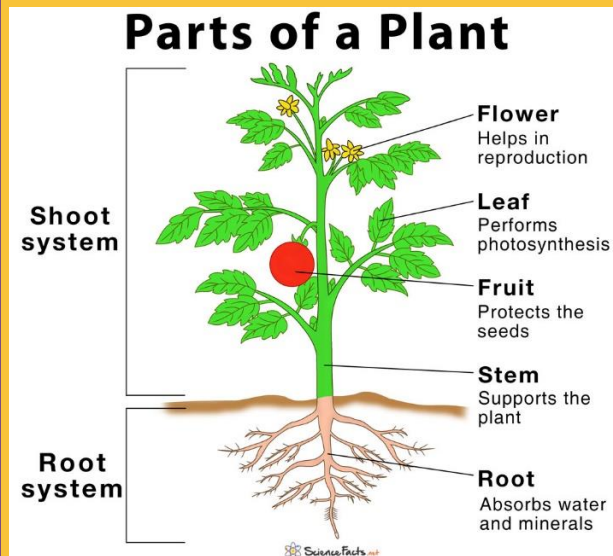
Key Vocabulary:

roots	These anchor the plant into the ground and absorb water and nutrients from the soil.
stem/trunk	This holds the plant up and carries water and nutrients from the soil to the leaves. A trunk is the stem of a tree.
leaves	Green parts of the plant that grow from the stem.
flowers	These are made up of colourful petals and produce the seeds.
reproduce	Make another plant.
pollination	Pollen grains moving from one plant to another.
petal	The colourful part of the flower designed to attract insects.
oxygen	A gas in the air that plants release and we need to breathe.
carbon dioxide	A gas in the air that plants absorb.

What I should already know:

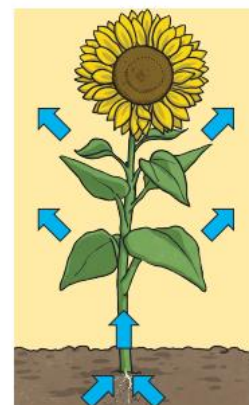
Seeds grow into plants.
Plants need water, light and a suitable temperature to grow.
Living things need nutrients to grow and thrive.

Diagrams/Images:



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.

Key Facts:

Plants are living things that are usually rooted in the ground or live in water.

Most plants grow from seeds. Each seed needs the right conditions before it can start to grow.

Leaves are used to absorb energy from the sun and carbon dioxide from the air. The plant turns these into food.

For a plant to reproduce, pollen grains need to move from one plant to another. This is called pollination.

Seeds are dispersed in many different ways:

	Floats Through the Air
	Flies Through the Air
	Dispersed by Water
	Bouncing and Rolling
	Eaten by Animals
	Stored by Animals
	Thrown Explosively
	Carried on an Animal's Body