

Knowledge Organiser - Science - Plants - Lower Key Stage 2 (Years 3 and 4) - Spring 2 2025

Careers connected to plants:
conservation scientist, floriculturist,
organic farmer

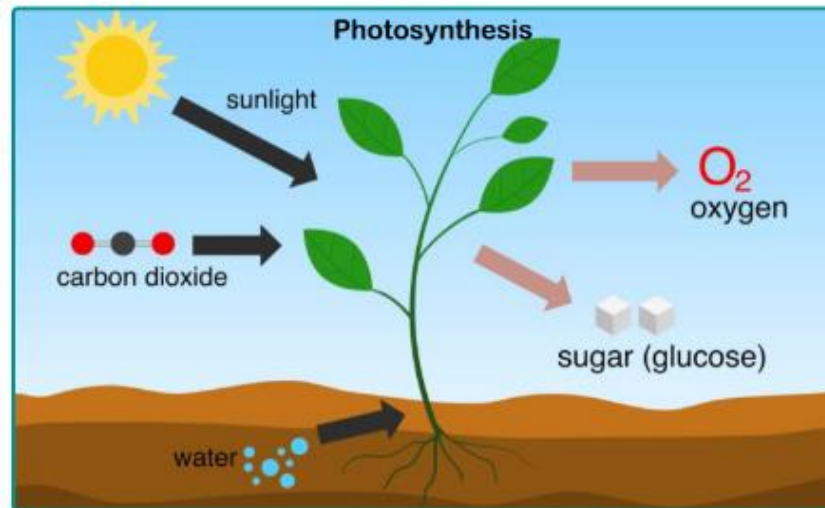
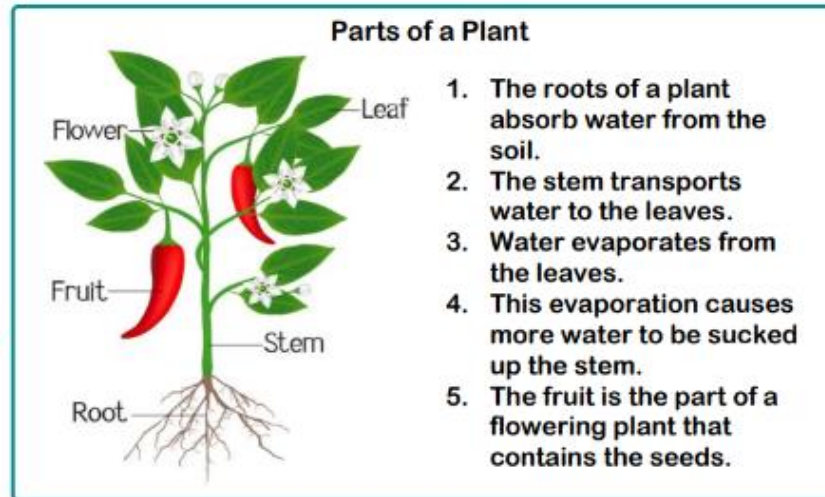
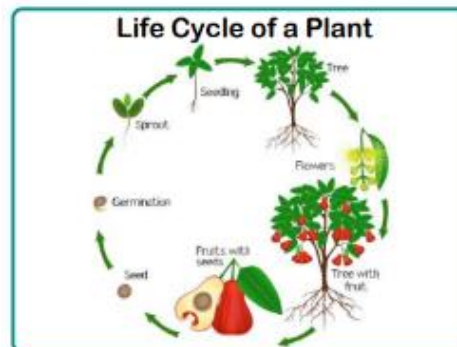
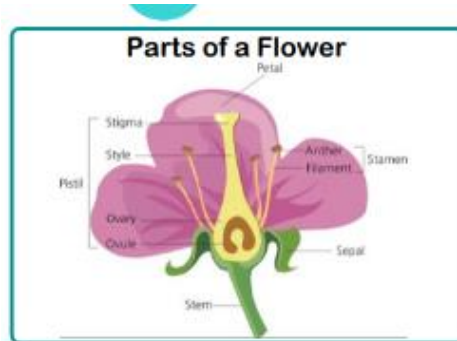


What I already know

- I know how to identify and classify some plants and trees
- I know what a plant needs to grow and stay healthy



Sticky Learning



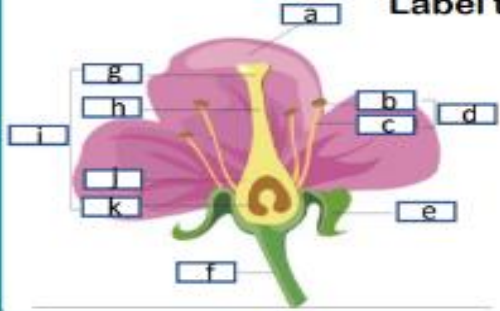
Core Learning

1. Compare the effects of different factors on plant growth
2. Describe the functions of different parts of a flowering plant and how they are used in photosynthesis
3. Investigate the way in which water is transported within plants
4. Explore the part that flowers play in the life cycle of flowering plants
5. Understand the pollination and the ways in which seeds are dispersed
6. Compare the effect of different factors on plant growth





Label the parts of the flower.



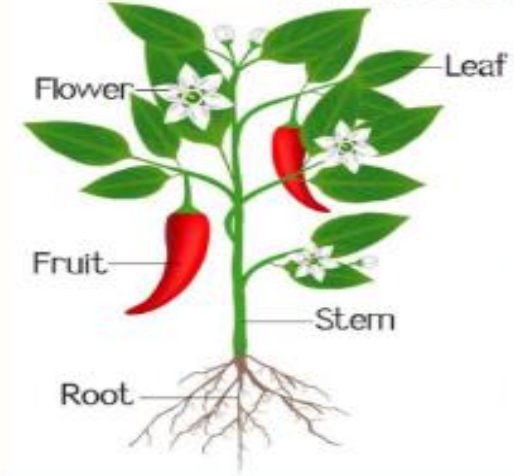
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c =	_____	h =	_____
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		k =	_____

1. Petal
2. Anther
3. Filament
4. Stem
5. Sepal
6. Stamen
7. Stigma
8. Style
9. Ovule
10. Ovary

Draw the four types of seed dispersal.

Draw the stages for the life cycle of a plant.

What does each part of the plant do?



1. Root = _____
2. Stem = _____
3. Leaves = _____
4. Fruit = _____

What is photosynthesis?

_____ is the process in which
_____ plants use _____ to make
their own _____.

food sunlight green photosynthesis

Science (Rocket) Words

Rocket Words

fertiliser	substances added to the soil or sprayed on the leaves of plants to keep them well
potassium	a metal that is used in fertilising crops
chlorophyll	captures the sun's rays and creates sugary carbohydrates or energy, which allows the plant to grow
photosynthesis	the process in which green plants use sunlight to make their own food
xylem	carries water from the roots to all parts of the tree or plant
phloem	a tissue where substances can flow up and down to carry the food throughout the plant
anther	the part of a stamen that produces and contains pollen and is usually borne on a stalk
filament	the stalk of a plant stamen that bears the anther
stomata	tiny openings or pores, found mostly on the undersurface of a plant leaf and used for gas exchange
transpiration	the process of water movement in a plant
pollen	a fine powder produced by certain plants
nectar	a liquid produced by the flower of plants