

Knowledge Organiser: Plants

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

















Lesson Sequence



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



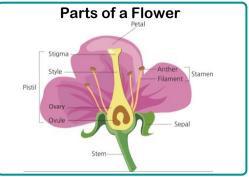
4. Explore the part that flowers play in the life cycle of flowering plants



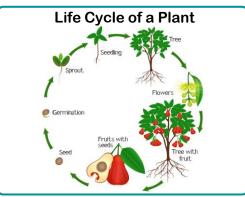
5. Understand the pollination and the ways in which seeds are dispersed



6. Compare the effect of different factors on plant growth





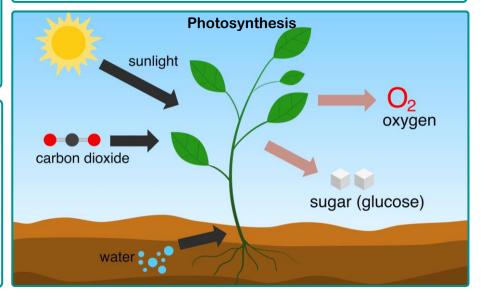


Parts of a Plant Flower-Fruit-St.em Root

- 1. The roots of a plant absorb water from the
- 2. The stem transports water to the leaves.

soil.

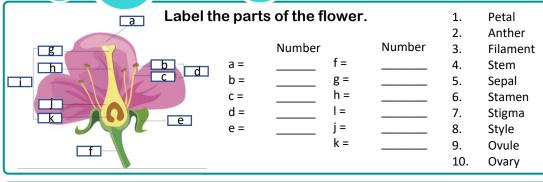
- 3. Water evaporates from the leaves.
- 4. This evaporation causes more water to be sucked up the stem.
- 5. The fruit is the part of a flowering plant that contains the seeds.

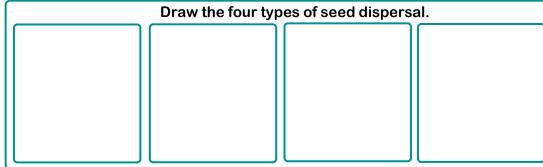


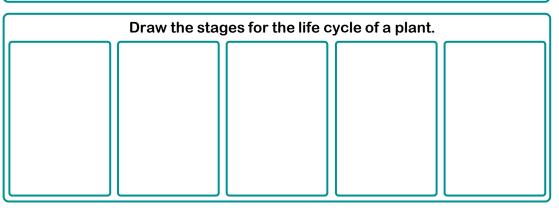


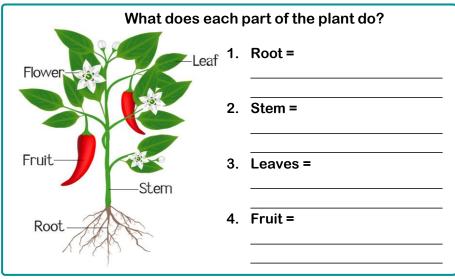












	What is photosynthesis?					
		is the process in which				
	plants use			to make		
their own				 ·		
	food	sunlight	green	photosynthesis		
	1000	Sumgni	green	photosynthesis		



Unit Rocket Words: Year 3 – Plants











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		