

	Topic: Plants	Year:	3	Strand: Biology
	What should I already know?			Vocabulary
Which things ar	re living and which are not		absorb	soak up or take in
A variaty of con	nmon wild and gardon plants, including deciduous	and	anther	the part of a stamen that produces and releases the pollen
evergreen tree	s and how to identify them.		branches	parts that grow out from the tree trunk and have leaves , flowers, or fruit growing on them
 The structure o flowers, fruits, 	roots, bulbs, seeds, stem, trunks and branches)	ding leaves,	bulb	a root shaped like an onion that grows into a flower or plant
 Seeds and bulb Plants need wa 	is grow into mature plants Iter, light and a suitable temperature to grow an	d stay	carbon dioxide	a gas produced by animals and people breathing out
healthy.Different vegeta	ation belts and climate zones around the world		climate zone	sections of the Earth that are divided according to the climate. There are three main climate zones; polar, temperate and tropical
Plants and anim	nais depend on each other to survive.		common	something that is found in large numbers or it happens
The	lat will I know by the end of the drift!		deciduous	a tree that loses its leaves in the autumn every year
functions of the	 The petals on a flower are usually bright - the attract bees and other insects so that they of 	an collect	dispersed	scattered, separated, or spread through a large area
different parts of flowering plants .	 pollen to make seeds. The seeds are then able to grow to make needs 	w plants.	dissect	to carefully cut something up in order to examine it scientifically
ŝ	This is called germination.	.w plants.	evergreen	a tree or bush which has green leaves all the year round
flower	• Leaves use carbon dioxide and sunlight to	make food	fertilisation	in plants , where pollen meets the ovule to form a seed
seed	for the plant .	from the	fertiliser	a substance that is added to soil in order to make plants grow more successfully
leaf	roots to the rest of the plant. Leaves use the	his water to	flower	the part of a plant which is often brightly coloured and grows at the end of a stem
Stell STE	make food.		flowering	trees or plants which produce flowers
roots AF	 The stem also helps to keep the plant upriging sunlight can reach it easier. The roots help to 'anchor' the plant in the statement of the sta	ht so that the oil . They also	fruit	something which grows on a tree or bush and which contains seeds or a stone covered by a substance that you can eat
	absorb water and nutrients from the soil for	or the stem	function	a useful thing that something does
What do different	to carry to the rest of the plant .		garden	a piece of land next to a house, with flowers , vegetables, other plants , and often grass
plants need to	• water		germination	if a seed germinates or if it is germinated, it starts to grow
grow?	• sunlight		healthy	well and not suffering from any illness
	nutrients from the soil		leaf / leaves	the parts of a tree or plant that are flat, thin, and usually green
	room to grow suitable temperature		life cycle	the series of changes that an animal or plant passes through from the beginning of its life until its death
	The amount of each of these may vary denend	ling on the	mature	When something matures, it is fully developed
	type of plant . For example, cacti need less wa	ter than	nutrients	substances that help plants and animals to grow
	other plants .		ovule	a small egg
How is	• Water is absorbed from the soil by the root	ts.	petu	a living thing that grows in the earth and has a stem. leaves .
water transported within plants?	 It is then transported from the roots to the then to the rest of the plant. 	stem and	plant	and roots
How do	• The flower's job is to create seeds so that r	new plants	pollen	flowers of the same species so that they produce seeds
life cycle of	can grow.Pollination occurs when pollen from the ar	1ther is	pollination	To pollinate a plant or tree means to fertilise it with pollen . This is often done by insects
tiowering plants?	transferred to the stigma by bees and other	insects.	roots	the parts of a plant that grow under the ground
	• The pollen then travels down and meets the	e ovule.	seed	the small, hard part from which a new plant grows
	When this happens, seeds are formed - this	is called	stem	leaves grow
	fertilisation.		stigma	the top of the centre part of a flower which takes in pollen
	 Seeds are then dispersed so that germination 	i on can begin	structure	the way in which something is built or made
	agam.		temperature	a measure of how hot or cold something is
	Diagrams		transported	taking something from one place to another
	→1		tree	a tall plant that has a hard trunk, branches, and leaves
		∎ 🛻 🗏	trunk	the large main stem from which the branches grow
Stigma	germina	tion	vegetation	plants, trees and flowers
- Style -	Filament -		wild	animals or plants that live or grow in natural surroundings and are not looked after by people
		ion		Investigate!
- Ovary	Sepal	>	 Compare the water, the a make this a 	e effect of different factors in plant growth (e.g. the amount of amount of light and the amount of fertiliser). Discuss what would fair test.
	Ovule fertilisat	tion	Place whiteDiscover ho	carnations in ayea water to observe how plants transport water. w seeds are formed by observing plant life cycles .
	 ≹ [/] ?		• Dissect fruit are disperse	ts to observe their structure and use this to explain how seeds
	seed disp	ersal 📕	 Dissect a flo fertilisation 	ower and identify each of the different parts that help with
		-		



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Question 1: Tick ONE thing all the seeds must have to start to grow. light	Start of unit:	End of unit:	Question 7: This diagram shows the life cycle of a plant. Which box shows where germination happens?		Start of unit:	End of unit:	
water salt soil				seed dispersa	Δ		
Question 2: Which of these best describe the function of roots (tick two)?	Start of unit:	End of unit:	pollination	В	- N flower grows		
to make seeds							
to absorb water and nutrients							
to anchor the plant in the ground							
to attract bees and insects] [
			Question 8	: Some wild flo	wers have	Start of	End of

Question 3: Write down the numbers 1-4 to show the order in which parts of a plant grow.	Start of unit:	End of unit:
leaves grow		
the stem grows		
roots grow		
the flower grows		

Question 4: Which part of the plant makes new food?	Start of unit:	End of unit:
leaf		
flower		
roots		
stem		

Question 5: A flower has just grown on a plant. What is the next stage of the life cycle?	Start of unit:	End of unit:
fertilisation		
pollination		
germination		
seed dispersal		

Question 6: A stick of celery is placed in red water. What will happen next?	Start of unit:	End of unit:
nothing		
it will grow roots		
the leaves will turn red		

Question 8: Some wild flowers have petals with bright colours because	Start of unit:	End of unit:
they are pretty		
to attract birds and bees		
they have ALL been placed in dye		
the sun makes them bright		

Question 9: Birds and insects are important for plant growth because they help with(tick two):	Start of unit:	End of unit:
fertilisation		
pollination		
germination		
seed dispersal		

Question 10: Draw line part of the plant to its	Start of unit:	End of unit:	
roots	create seeds		
leaves	absorb water and minerals and keep plants 'anchored'		
stems	make new food for the plant		
flowers	carry water and minerals to the plant and keep it upright		