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Englis	n School of Kalba	

## UNIT 2 - INVESTIGATING PLANT GROWTH WHAT HAVE YOU LEARNT?

Name:		<u> </u>	Grade 5/ Year	6:
Q1. Answer the question	s below:			
a. What is germination?				
<b>b.</b> What conditions are no	ecessary for germinati	on?		
22. Put the stages of grow	th of a bean plant in o	order:		
				The second second
Q3. The way a plant grow Write down the grow			ping Climbing	Mat-forming
		at and III.		
Q4. List three things a livi	ng plant can do that a	n artificial plan	at cannot do.	
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During the process of germin	ation, firs	st the		g	rows dow	nwards.
Next the	grows	upwards.	Then the			_ unfold.
6. Year 5 learners planted some water. After ten days they m germination. Here is the table	easured tl	ne height o				
Batch of seeds	A	В	C	D	Е	F
Volume of water (ml)	0	50	100	200	400	800
Height of seedlings (mm)	0	36	58	45	13	0
Germination rate (%)	0	62	84	70	24	0
What are the factors that nee	ds to be k	ept the sar	me in the a	above exp	eriment?	
This plant hasn't grown. Giv	e two reas	sons why t	his might	have happ	pened.	V
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. Why do plants produce seeds	s?					

10. Falah has planted two trays, A and B with seeds. He wanted to see how the temperature affects the way the seeds germinate. He puts both trays on a windowsill. H puts a heating pad beneath tray B.
Which tray of seeds will germinate faster and why?
Falah planted another two trays, C and D, with seeds. He puts both trays on a windowsill. He covers tray D with a white sheet of cardboard.
b) Will there be a difference in how long the seeds in the two trays take to germinate? Explain your answer.
1. Choose the right answer:
What are the products of photosynthesis?
☐ Carbon dioxide, sunlight and water ☐ Glucose and oxygen
What colour is chlorophyll?
Where does photosynthesis take place?
$\square$ In the leaves $\square$ In the roots $\square$ In the fruit
What are the materials necessary for photosynthesis?  Carbon dioxide, sunlight and water  Carbon dioxide and oxygen

	learners did an investigation. The growth of a plant.	They found out how losing some or all of its
	A B	C
<ul> <li>They labelled the</li> <li>They cut off all</li> <li>They cut off hale</li> <li>They did not cut</li> <li>They put each in</li> <li>They put the plan</li> </ul>	healthy plants of the same spe e plant A, B and C. roots of plant A. f the roots of plant B. t off any of the roots of plant C an identical pot with the same ent next to each other on the wi- plant the same amount of water	. e amount and type of soil.
a. What are the lear	mers investigating?	
c. How long did the	ey observe the plants? the learners measured each pla	
40 cm	47 cm	32 cm
	clude from this investigation?	
	ole and will likely be carried avin water and nutrients from the	vay by wind or other factors. e soil to help the plant to grow and reproduce.
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	tentruins	stemragine	hengoesrue	
	siddslove	drainpegs	englides	
139	epurematter	theylah	shonyshpotites	
	the needed conditions	for seedling to grow and	make its own food.	
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