Anglo-Chinese School (Junior)



BITE-SIZED ASSESSMENT 1 (2022) PRIMARY 5 SCIENCE

Friday		4 March 2022				40 min	
Nam	ne:()	Class: 5.()	Parent's Signature		
INST	TRUCTIONS TO PUPILS						
1	Do not turn over the pages until	you a	are told to do	SO.			
2	Follow all instructions carefully.						
3	There are 9 questions in this bo	oklet.					
4	Answer ALL questions.						

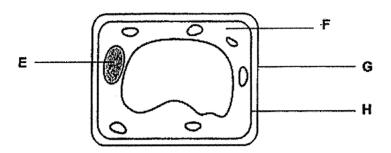
The marks are given in the brackets [] at the end of each question or part question.

5

Question	Possible	Marks
Paper	Marks	Obtained
Total	20	

Answer questions 1 to 9. The number of marks available is shown in the brackets [] at the end of each question.

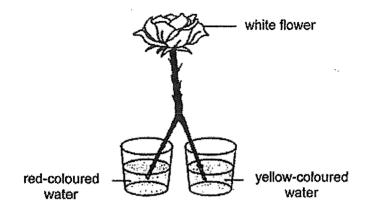
1. The diagram shows a plant cell.



(a)	Name parts G and H.		[1]
	G:		
	H:		
(b)	State the function of parts E and F.		[2]
	E:		
	F:		
(c)	Which parts, E, F, G and H, are found in a	ın animal cell?	[½]
(d)	Name the cell part that uses sunlight to m	ake food.	[½]

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SCORE
4

2. Sam split the lower part of a stalk with a white flower into two equal halves. He placed them into containers with different coloured water as shown.



After a short time, he observed that some parts of the flower turned red, and other parts turned yellow.

(a)	Explain Sam's observation.	[1]
	•	

(b) Sam observed that some parts of the flower remained white.
Place a tick (✓) next to the statement that explains Sam's observation.

There were no food-carrying tubes in the parts of the flower that remained white.

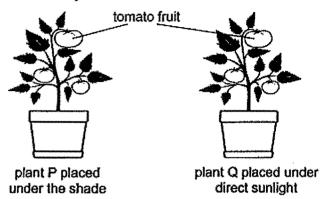
Coloured water was not transported to the flower parts that remained white.

The red and yellow coloured water mixed at the flower parts that remained white.

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SCORE
2

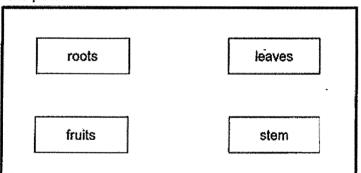
[1]

3. Peter used two identical tomato plants and placed them at different locations in his garden. He watered them daily with the same amount of water.



After a few weeks, Peter noticed that plant Q had bigger tomato fruits than plant P. Explain his observation.	[2]
-	

4. (a) Draw three arrows (→) in the diagram to show how food is transported in the four parts of a plant.



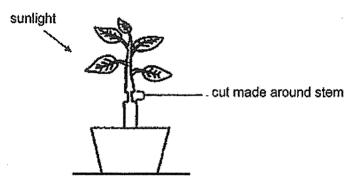
(b) Tick (✓) the substance(s) that is/are transported in the plant transport system. [1

Substance	Transported in the plant transport system
Sugar	
Starch	
Oxygen	
Mineral Salts	

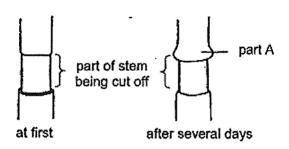
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SCORE
4

[1]

5. Gabriel removed the food-carrying tubes of a plant by making a cut around the stem as shown.



He left the plant under the Sun and watered it regularly. After several days, he observed that part A of the stem was swollen as shown below.



Explain Gabriel's observation.

Explain Gabriel's observation.	[2
···	

For most plants, there are more tiny openings on the underside of their leaves than	
on the upper surface of their leaves. Explain clearly how this is an advantage to	
these plants on a hot day.	[1

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SCORE	
	3

7.	The table	shows	two :	gases	that	are in	the	inhaled	and	exhaled	air	by	the	human
	respiratory	/ systen	n.									•		

(a)	Fill in the words "More" or "Less" in the boxes to compare the amount of each	
	gas between inhaled and exhaled air.	

Exhaled Air	

[1]

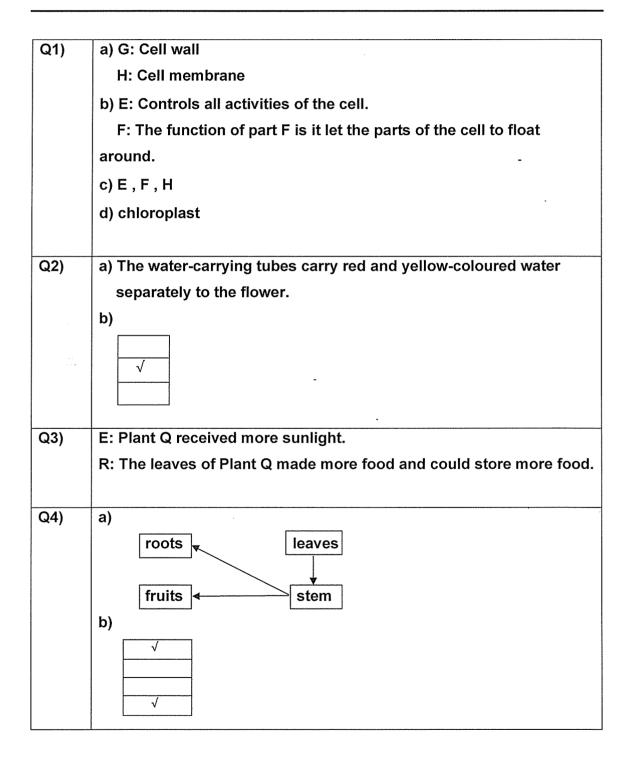
	Amount of Gas	Inhaled Air	Exhaled Air
1	Carbon Dioxide		
2	Water Vapour	-	

	(b)	Does inhaled air or exhaled air contain less dust? Explain why.	[1]
8.	(a)	State the three main parts of the human respiratory system.	[1]
	(b)	State the function of the human respiratory system. Include the gases involved.	[1]
	(c) 	Describe how oxygen in the surrounding air enters the lungs.	[1]
9.	Wha	it would happen to our breathing rate when we exercise? Explain your answer.	[2]
	•		

End of Paper

SCORE 7

SCHOOL: ACS (J)
LEVEL: PRIMARY 5
SUBJECT: SCIENCE
TERM: 2022 WA1



Q5)	Food made by the leaves was unable to travel downwards to below
	part A as the food-carrying tubes were removed and thus, stared at
	A.
Q6)	E: Tiny openings on the underside of leaves will not be directly
	expose to sunlight.
	R: So it reduce loss of water.
Q7)	a) -
	Less More
	Less More
	LCGS MOTE
	b) Exhaled air. Hairs in the hose traps dust from inhaled air.
Q8)	a) Nose , windpipe , lungs
	b)To take in / absorb oxygen into the body and give out carbon
	dioxide from the body.
	c) Air enters the hose, down the windpipe to the lungs.
Q9)	Our breathing rate would rise higher, this is because we need
	energy to exercise so we need to breathe in faster. Our body needs
	more oxygen and needs to quickly remove carbon dioxide.
	J. J