Henry Park Primary School

Primary 5 Science

2021 Term Review

25

Duration of Paper: 40 min

Name: _____ ( )

Class: Primary 5 ____ Parent's Signature: _____

Section A: 14 marks

For each question from 1 to 7, four options are given. One of them is the correct answer.

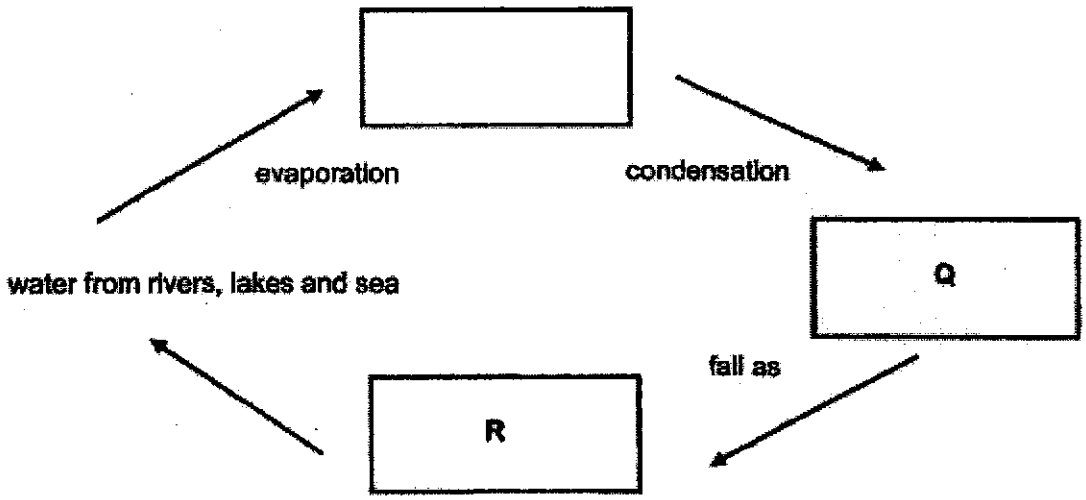
Make your choice (1, 2, 3 or 4) and write the correct answer (1, 2, 3 or 4) in the table provided.

Q1	Q2	Q3	Q4	Q5	Q6	Q7

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1. The diagram shows the water cycle.



What does P, Q and R in the boxes stand for?

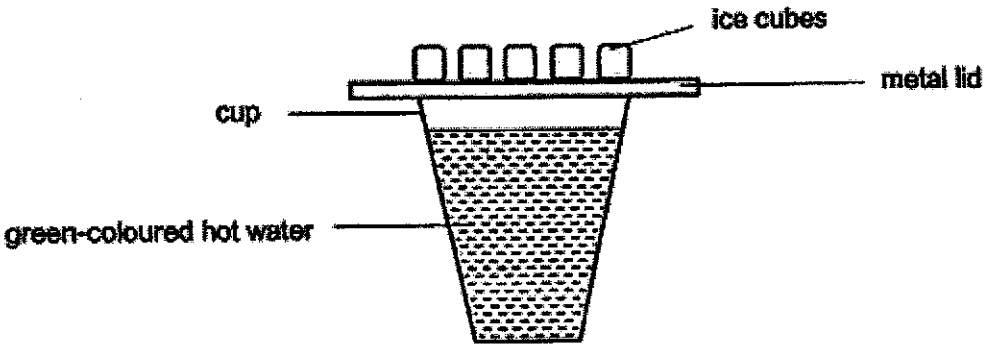
	P	Q	R
(1)	water vapour	clouds	rain
(2)	rain	clouds	water vapour
(3)	clouds	rain	water vapour
(4)	water vapour	rain	clouds

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2. The diagram shows a cup that contained green-coloured water at 90°C. The cup was then covered completely with a metal lid with ice cubes placed on it.



One hour later, water droplets were observed.

Which of the following correctly states the colour of the water droplets and where the water droplets were?

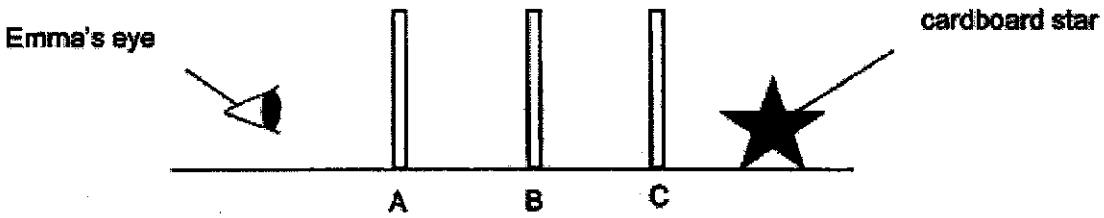
	Colour of water droplets	Place where the water droplets were formed
(1)	green	Under the metal lid
(2)	Green	Outer surface of the cup
(3)	Colourless	Under the metal lid
(4)	Colourless	Outer surface of the cup

( )

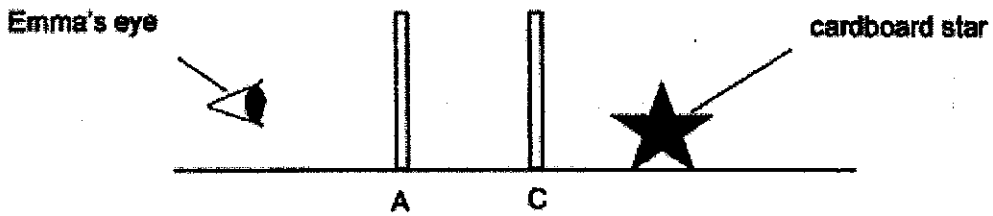
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3. Emma had three sheets, A, B and C, made of different materials. She observed that when she placed all three sheets in a straight line as shown below, she could not see the cardboard star.



However, if she placed only sheets A and C in a straight line as shown below, she could see the cardboard star clearly.



Based on her observations, which of the following statements is correct?

(1) Sheet B allows most light to pass through.

(2) Sheet C does not allow any light to pass through.

(3) Sheets B and C allow most light to pass through.

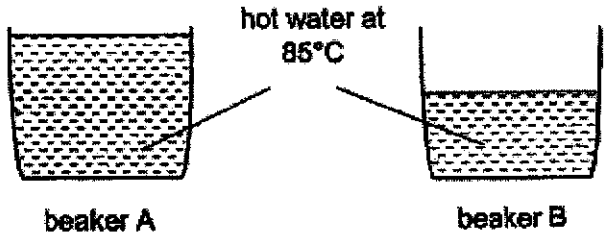
(4) Sheets A and C allow most light to pass through.

( )

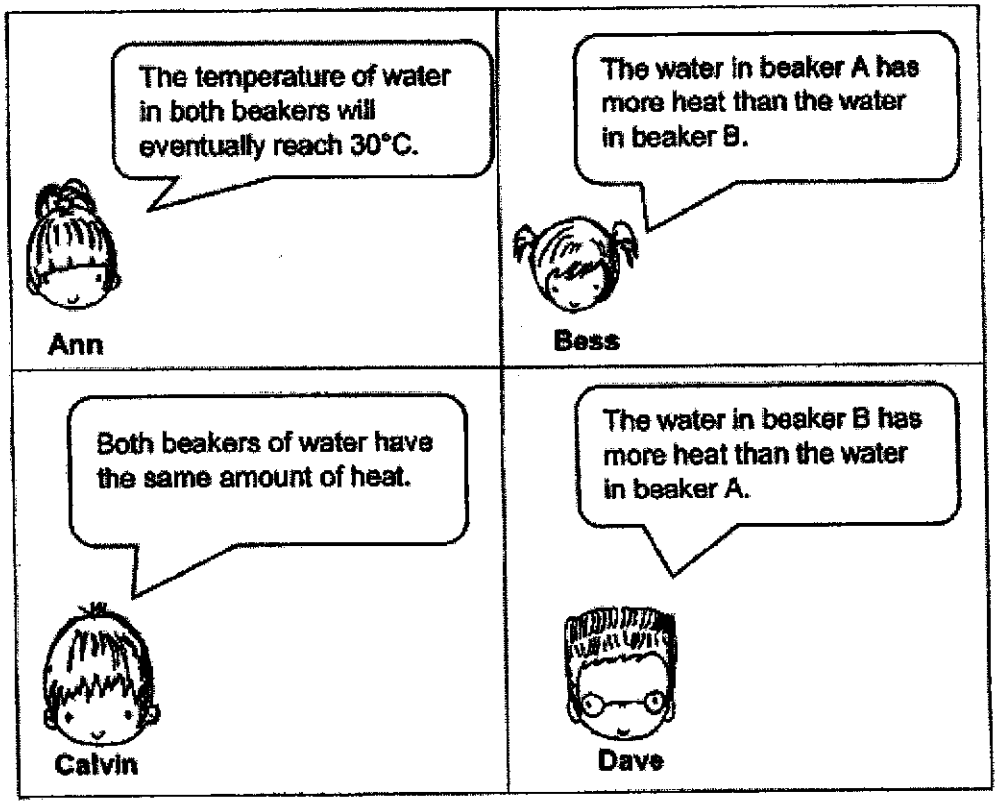
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4. John conducted an experiment using two identical beakers containing different amounts of hot water at 85°C, as shown below. He placed both beakers in a room with a temperature of 30°C.



Four students made the following statements.



Which of the comment(s) made is/are correct?

(1) Calvin only

(2) Ann and Bess only

(3) Ann and Dave only

(4) Calvin and Dave only ( )

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5. Jason wants to classify some animals as either mammals or birds.

Which of the following question(s) will help him to classify the animals into groups of either mammals or birds?

	Question
A	Does it fly?
B	What is its body covering?
C	How many legs does it have?
D	Does it feed its young with milk?

(1) A and C only

(2) C and D only

(3) B and D only

(4) A, B and D only

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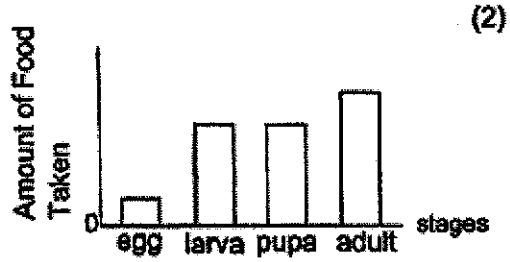
6. David observed the life cycle of a beetle. He recorded the amount of food taken by the beetle at each stage of growth in its life cycle. He drew a bar graph to represent the amount of food the beetle ate.



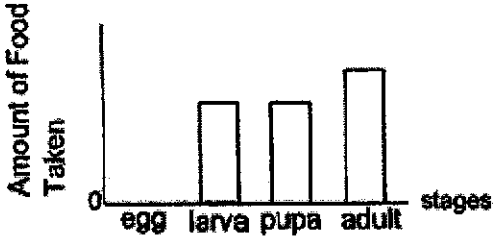
beetle

Which one of the following bar graphs correctly shows the amount of food taken by the beetle at each stage of growth in its life cycle?

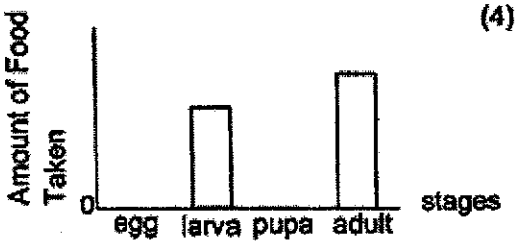
(1)



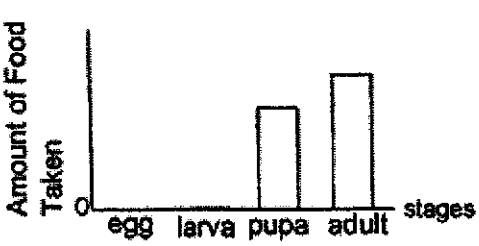
(2)



(3)



(4)

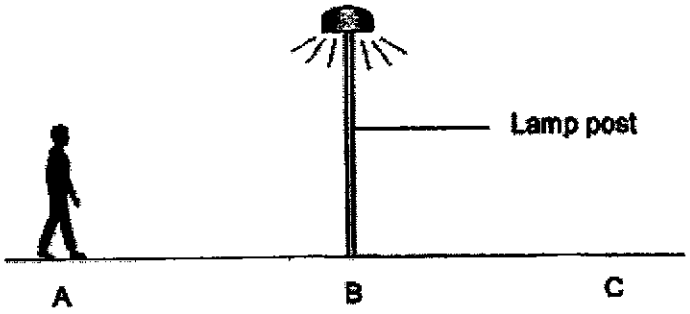


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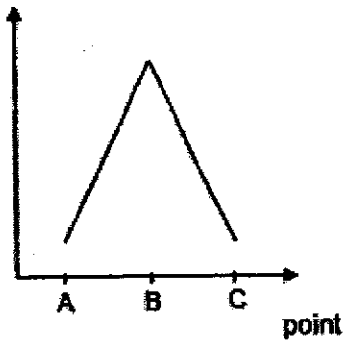
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7 One night, Andy walked from point A to point C, passing a lamp post at point B as shown in the diagram below.

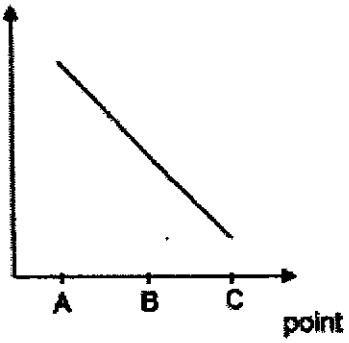


The only light source nearby was the lamp post. Which one of the graphs below shows how the length of Andy's shadow changes from point A to point C?

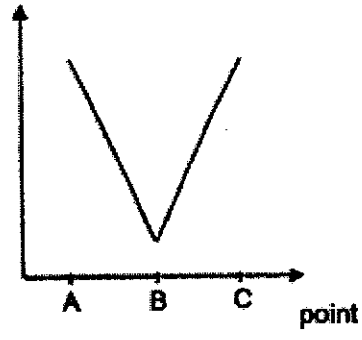
(1)



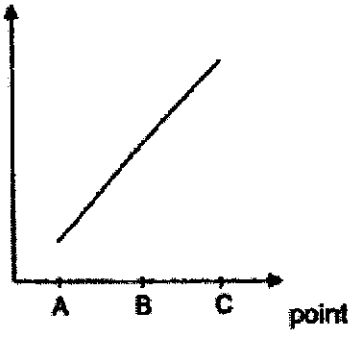
(2)



(3)



(4)



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Section B (11 marks)

Write your answers to questions 8 to 12 in the spaces given.

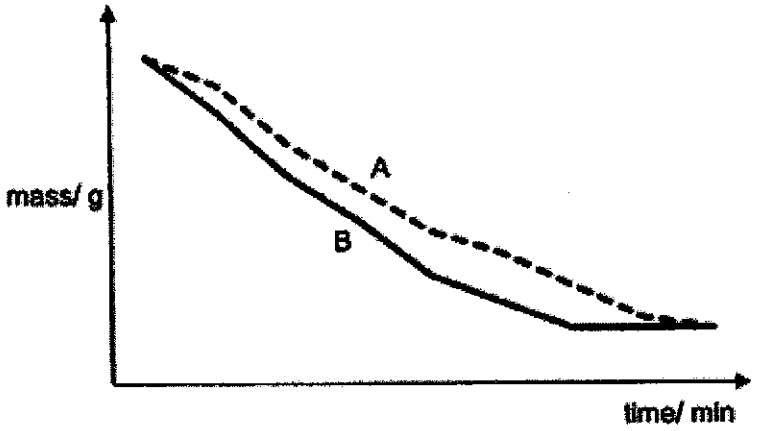
8. Peter has a pair of wet socks. He placed one of the wet socks, as shown in the diagram below, near an open window to dry.



(a) State the process that allows the wet sock to become dry after a few hours. [1]

_____

(b) Peter placed the other wet sock at a spot in the garden under direct sunlight.



Which one of the graphs, A or B, shows the change in the mass of the sock that was exposed to direct sunlight? Explain your answer. [2]

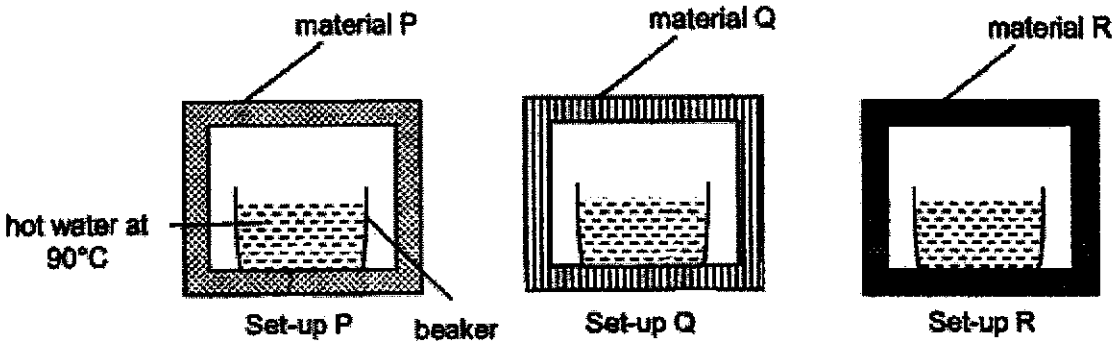
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9. Aiden set up an experiment to find out how quickly heat is conducted by different materials.

Three containers made of different materials, P, Q and R, are used. Three identical beakers of hot water at 90°C are placed in the containers.



After 15 minutes, Aiden measured and recorded the temperature of water in each beaker with a thermometer and recorded the results in the table below.

	Temperature of water (°C)	
Material	**At the start of the experiment**	**At the end of the experiment**
P	90	40
Q	90	55
R	90	70

(a) State the source of heat in this experiment. [1]

_____

(b) Using the information given in the table, state which material, P, Q, or R, is the poorest conductor of heat. Explain your answer. [1]

_____

_____

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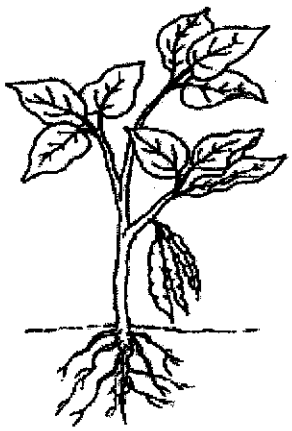
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10. The table shows the characteristics of plants classified into groups A, B, and C

Characteristics \ Group	A	B	C
Reproduce from seeds		✓	✓
Roots are found underground	✓		✓
Stem is found above ground	✓	✓	✓

(a) Sam described the plants in group B as non-flowering plants. Using only information given in the table, explain why he is wrong. [1]

(b) The diagram shown below shows Plant X.



Plant X

Which group, A, B or C, should Plant X be classified in? Using only the characteristics given in the table, explain your answer. [1]

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11. Mr Lee sets up a shadow puppet performance, as shown below. The audience can only see the shadow of the puppet formed on the screen. They cannot see the puppet. The puppet is made of a piece of wood.

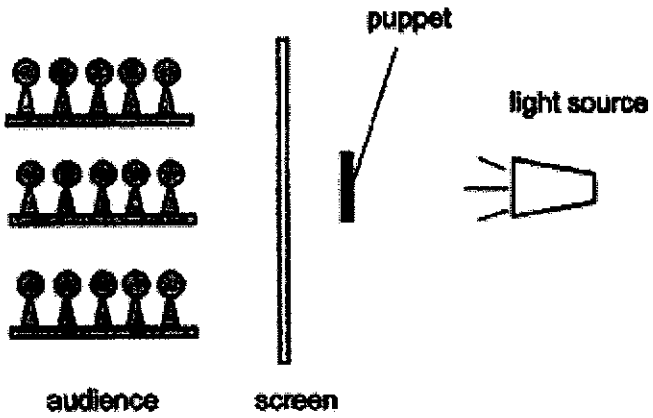


Diagram 1
Set-up of a shadow puppet performance

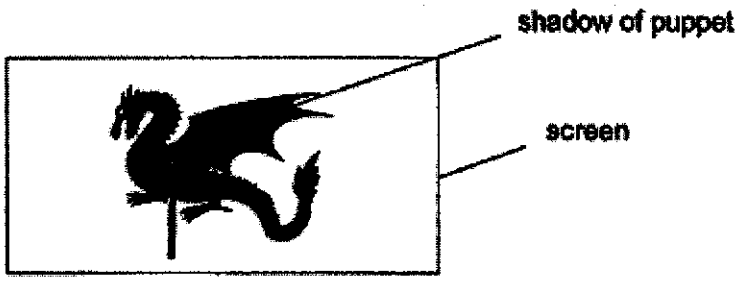


Diagram 2
How the shadow of the puppet appears on the screen

(a) Without changing the size of the puppet or moving the screen, what should Mr Lee do to the light source to create a smaller shadow? [1]

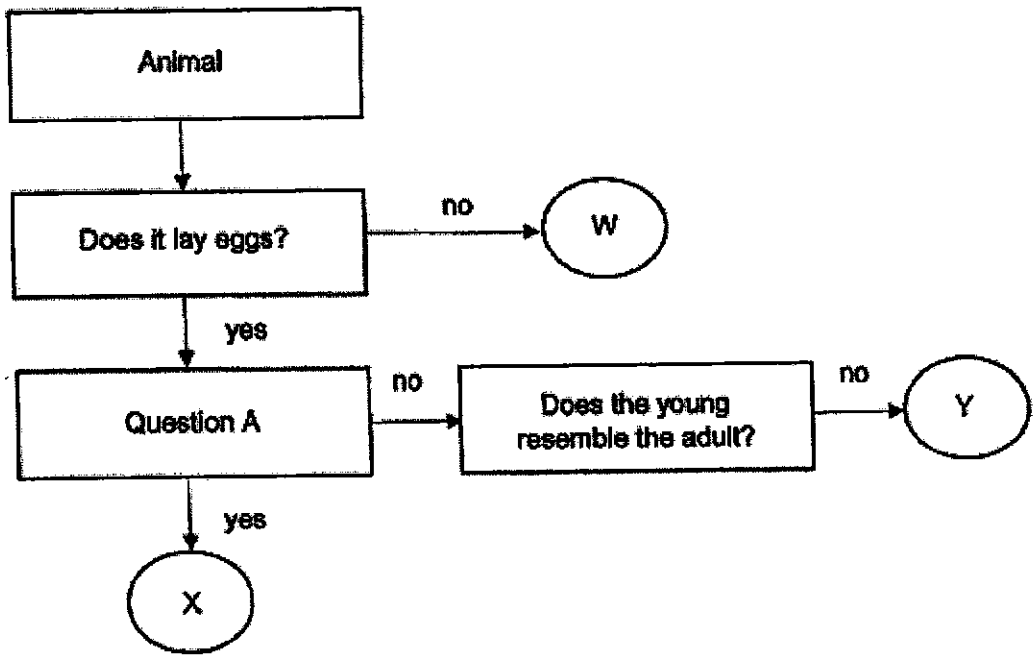
(b) Based on the information above, explain how the shadow of the puppet is formed.

[1]

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12. Study the flowchart below.



(a) Alex identified Animal W as a mosquito. Is he correct? Based on the diagram above, explain your answer. [1]

Animal X is a cockroach and Animal Y is a butterfly. [1]

(b) Question A helps to classify the animals according to the number of stages in their life cycles.

What is Question A likely to be?

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SCHOOL : Henry Park PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : SCIENCE
TERM : 2021 Term Review

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7
1	3	4	2	3	3	3

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2021 P5 Science Term Review Suggested Answers

QN	Answer	Remarks
8a	Evaporation	
8b	**CLAIM**: Graph B **EVIDENCE**: The mass of the sock decreased more quickly. **REASON**: The temperature of the surroundings was ~~higher,~~ the water in the sock gained more heat, so the water evaporated ~~faster.~~	
9a 9b	Hot water **CLAIM**: Material R **EVIDENCE**: The temperature of water surrounded by material R decreased the slowest/ is the highest at the end of the experiment.	
10a	Non-flowering plants reproduce by spores but the plants in group B reproduce by seeds.	
	(b) Group C. Plant X reproduces from seeds, has underground roots and its stem is found above ground.	
11	(a) Move the light source further away from the puppet.	
	(b) Light does not pass through / is blocked by the puppet.	
12	(a) No. A mosquito lays eggs but W does not.	
	(b) Does it have a 3-stage life cycle?	

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