Name: _____ ( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

Term 3
Weighted Assessment
SCIENCE

BOOKLET A

August 2025

Total Time for Booklets A and B: 50 mins

18 questions
36 marks

Do not open this booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 10 printed pages, including the cover page.

Downloaded from SingaKids.com

Downloaded from SingaKids.com

Section A (18 x 2 marks = 36 marks)

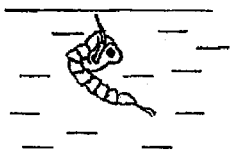
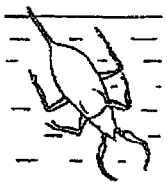
For each question from 1 to 18, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). **Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet provided.**

1. Which of the following statements correctly describe the characteristics of the animal group?

   A Birds lay eggs.
   B Amphibians can only live in water.
   C Mammals have hair as their outer covering.
   D Fish have gills that allow them to breathe in water.

   (1) A only
   (2) B only
   (3) A and C only
   (4) A, C and D only

2. Study the classification chart below.

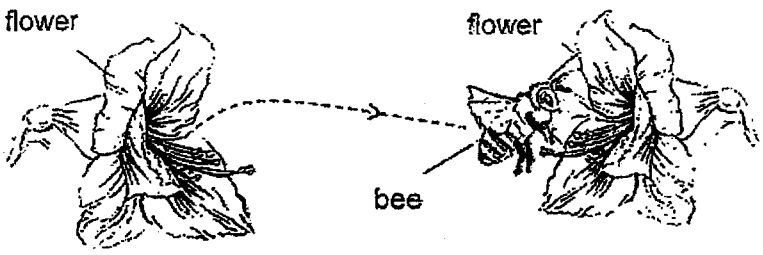
Animals	
Group A	**Group B**
	
	

The animals above have been classified according to _____.

(1) their body coverings
(2) the method of breathing
(3) the way they reproduce
(4) the number of pairs of legs

Downloaded from SingaKids.com

3. The diagram below shows a bee flying from a flower to another flower of a similar plant.

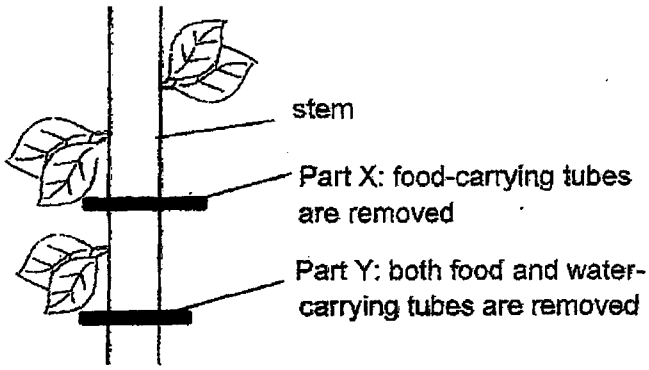


Which process in the reproduction of the plant does the diagram above show?

A fertilisation
B pollination
C germination
D seed dispersal

(1) A only
(2) B only
(3) C and D only
(4) A, B, C and D only

4. Andy made two cuts, X and Y, as shown on the stem of the plant below.

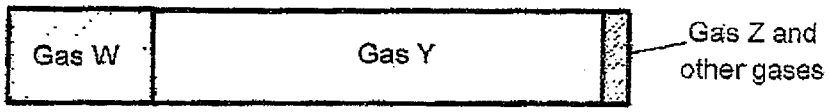


Which of the following would he most likely observe after a week?

(1) The stem below Part X would swell as the water from the leaves was transported upwards.
(2) The stem above Part X would swell as the food made by the leaves was transported downwards
(3) The stem below Part Y would swell as the water from the roots could not be transported upwards.
(4) The stem above Part Y would swell as the food made by the leaves was not able to transport downwards.

Downloaded from SingaKids.com

5. The diagram below shows the composition of different gases present in **inhaled air.**



Which one of the following shows the change in the composition of gases in **exhaled air?**

	Gas W	Gas Y	Gas Z and other gases
(1)	Increase	Remains the same	Increase
(2)	Decrease	Increase	Decrease
(3)	Increase	Increase	Remains the same
(4)	Decrease	Remains the same	Increase

6. A group of students made the following statements about the circulatory system.

A It is made up of the nose, lungs and heart.
B It supports the body and gives the body its shape.
C It helps to transport digested food to all parts of the body.
D It transports oxygen and removes carbon dioxide from the body.

Which statement(s) is/are correct?

(1) C only
(2) A and D only
(3) B and C only
(4) A, C and D only

7. John was given solid X. It has a melting point of 50 °C. John placed the substance in a container which has a temperature of Z °C.

He observed that X became a liquid after some time. Which of the following temperature represents Z °C?

(1) 15 °C
(2) 30 °C
(3) 45 °C
(4) 60 °C

Downloaded from SingaKids.com

8. Three similar cars are fixed with object P and two magnets with poles X, Y and Z as shown in Diagram 1 below.

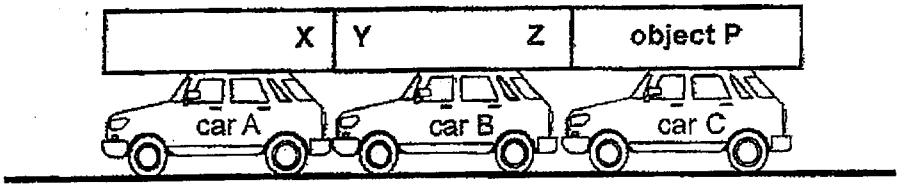


Diagram 1

When car B is turned around, car A and car C moved away from car B as shown in Diagram 2 below.

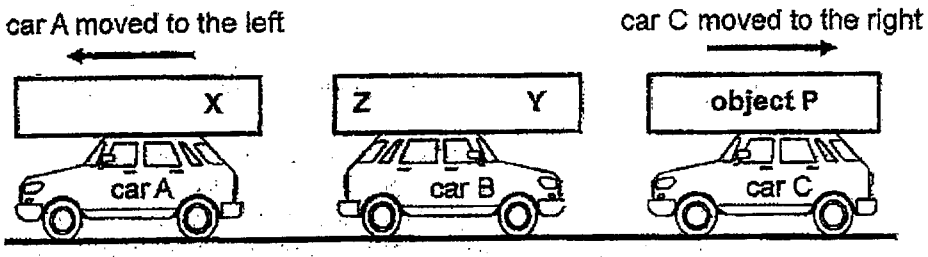


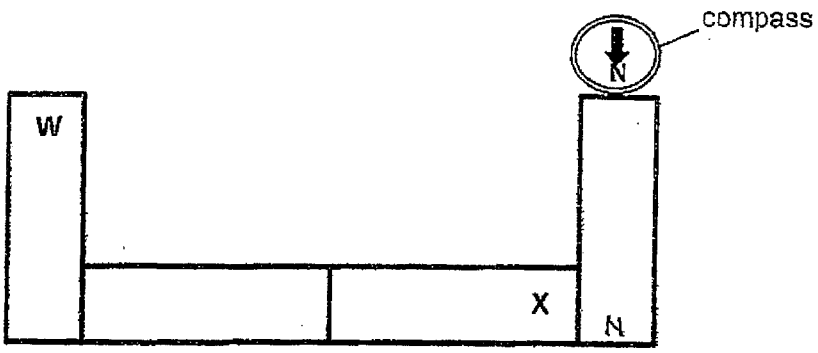
Diagram 2

Which of the following is correct about object P and the poles X, Y and Z, of the magnets?

	Object P	X	Y	Z
(1)	magnet	N	N	S
(2)	magnet	N	S	N
(3)	magnetic material	S	N	S
(4)	magnetic material	N	S	N

Downloaded from SingaKids.com

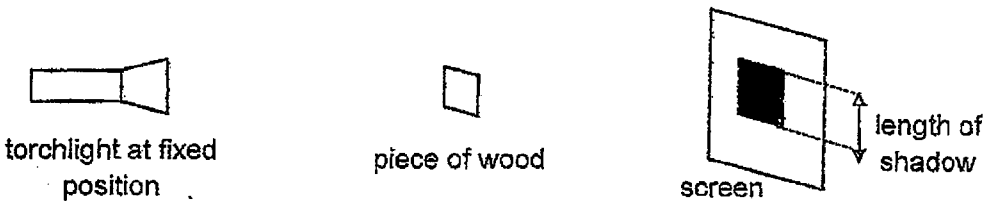
9. Study the arrangement of the four magnets below. Bernard placed a compass beside one of the magnets as shown.



Which of the following shows the correct poles of W and X?

	W	X
(1)	South	North
(2)	North	South
(3)	South	South
(4)	North	North

10. Lina conducted an experiment using the set-up below.



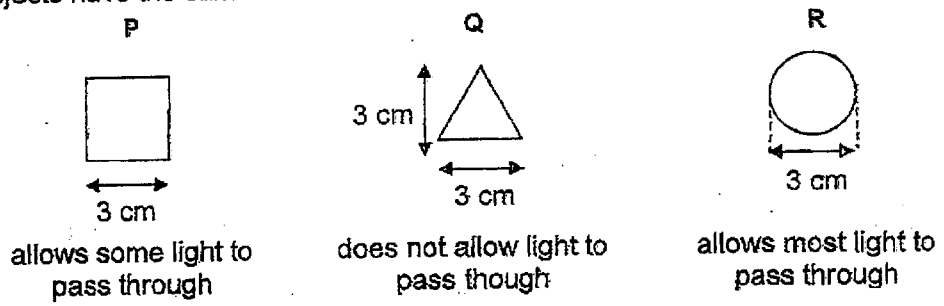
Which of the following would cause the length of shadow to increase?

A Moving the piece of wood nearer to the screen.
B Moving the piece of wood further from the screen.
C Moving the screen nearer to the piece of wood.
D Moving the screen further from the piece of wood.

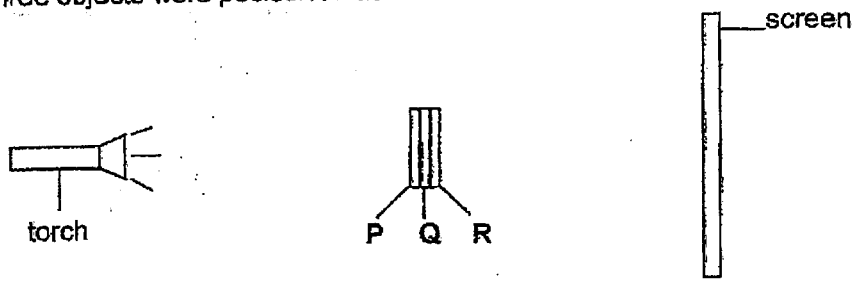
(1) A and C only
(2) B and D only
(3) C and D only
(4) A, B and D only

Downloaded from SingaKids.com

11. The diagram below shows the size and property of objects P, Q and R. The three objects have the same thickness.



The three objects were positioned as shown below.



Which of the following shadows will be cast on the screen when the torch is switched on?

(1) 

(2) 

(3) 

(4) 

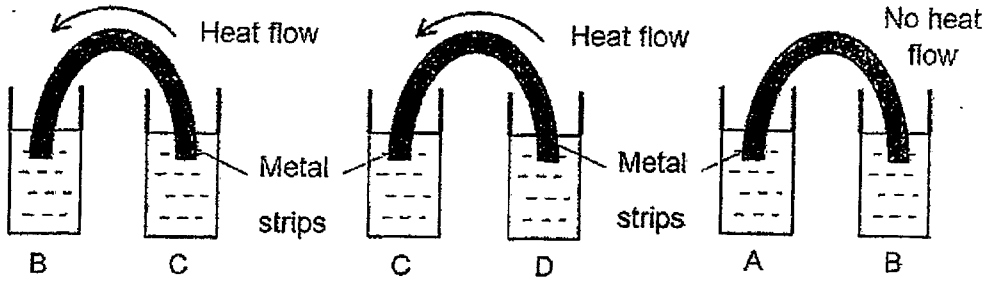
12. A cup of hot chocolate was placed on a table. Which of the following action(s) would cool the hot chocolate faster?

A Put a metal spoon in the hot chocolate.
B Cover the cup with a wooden lid.
C Wrap the cup with a piece of wet cloth.

(1) A only
(2) B only
(3) A and C only
(4) B and C only

Downloaded from SingaKids.com

13. Three metal strips are placed in the beakers A, B, C and D as shown in the diagram below. The arrows show the directions in which heat travels in each of the metal strips.

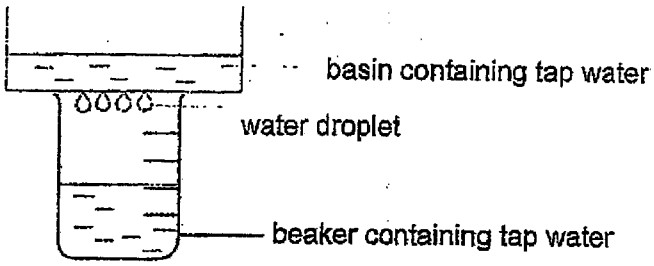


Which of the following statements about the temperature of the beakers is/are correct?

P The water in beaker B is the hottest.
Q The water in beakers A and B has the same temperature.
R The water in beaker A is colder than the water in beakers C and D.
S The water in beaker C is colder than the water in beaker B but hotter than the water in beaker D.

(1) Q only
(2) P and S only
(3) Q and R only
(4) P, R and S only

14. Samantha set up an experiment as shown in the diagram below. She observed water droplets forming at the bottom of the basin.



Which of the following should Samantha add into the basin and beaker so as to increase the amount of water droplets at the bottom of the basin?

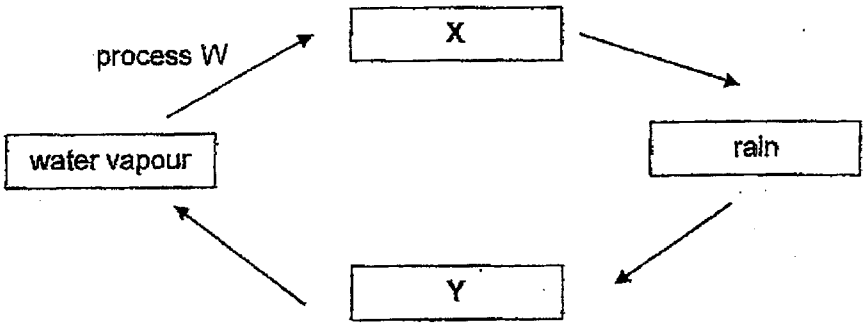
	basin	beaker
(1)	water at 90 °C	water at 90 °C
(2)	ice cubes	ice cubes
(3)	water at 90 °C	ice cubes
(4)	ice cubes	water at 90 °C

Downloaded from SingaKids.com

15. Which of the following practices can help conserve water at home?

(1) Leaving the tap on while washing dishes
(2) Repairing water leaks found in the toilet sink.
(3) Running the washing machine with only half load.
(4) Watering the garden during the hottest part of the day.

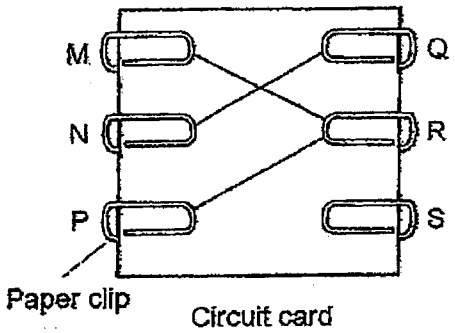
16. The diagram below shows the water cycle.



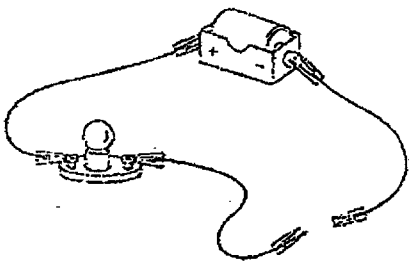
Which of the following is correct?

	X	Y	process W
(1)	sea water	cloud	evaporation
(2)	cloud	sea water	evaporation
(3)	sea water	cloud	condensation
(4)	cloud	sea water	condensation

17. The diagrams below show a circuit tester and a circuit card.



Circuit card



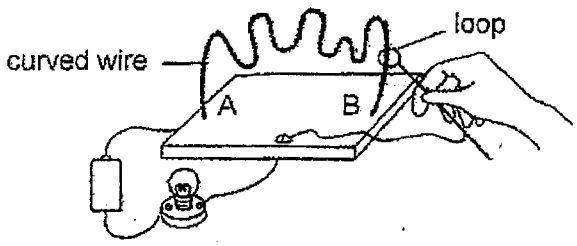
Circuit tester

Which clips when tested will light up the bulb of the circuit tester?

(1) M and R
(2) N and P
(3) Q and S
(4) N and S

Downloaded from SingaKids.com

18. The diagram below shows an electrical toy. The player wins when the loop is moved from point A to point B without touching the curved wire. If the loop touches the curved wire, the bulb lights up.



Which explanation below describes why the bulb lights up?

(1) The loop closes the circuit for the bulb to light up.
(2) The loop provides the energy source for the bulb to light up.
(3) The loop is able to recharge the battery for the bulb to light up.
(4) The loop is an electrical insulator that causes the bulb to light up.

~~ End of Booklet A ~~

Downloaded from SingaKids.com

Name: _____ ( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 5

Term 3
Weighted Assessment
SCIENCE

BOOKLET B

August 2025

Booklet A	36
Booklet B	14
Total	50

Total Time for Booklets A and B: 50 mins

5 questions
14 marks

Do not open this booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This paper consists of 5 printed pages.

_____

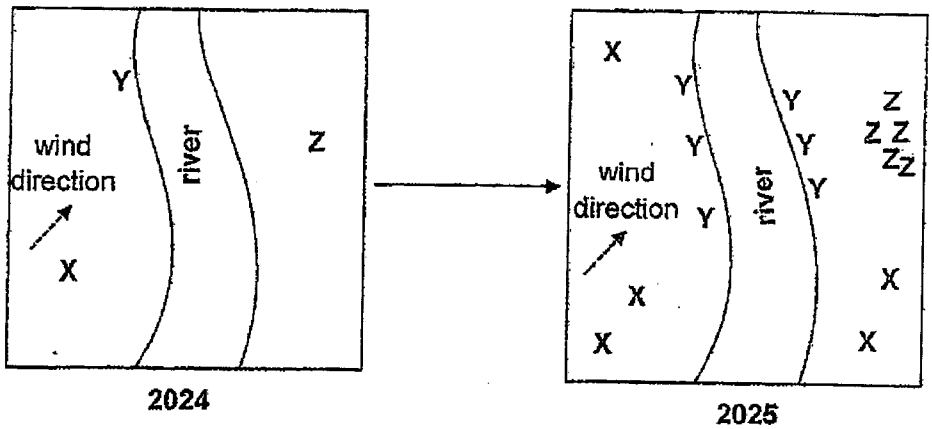
Parent's Signature/Date

Downloaded from SingaKids.com

Section B (marks)
For questions 19 to 23, write your answers in this booklet.
The number of marks available is shown in the brackets [ ] at the end of each question or part question.

19. Plants X, Y and Z have different seed dispersal methods.

The diagrams below show the distribution of these three plants X, Y and Z along the same river comparing their locations from 2024 to 2025.



(a) Based on the distribution pattern of plants Y and Z, state the method of dispersal. [1]

(i) Method of seed dispersal of plant Y: _____

(ii) Method of seed dispersal of plant Z: _____

(b) Observe the distribution pattern of plant X. Suggest the characteristic of fruit X such that the seeds get dispersed across the river. [2]

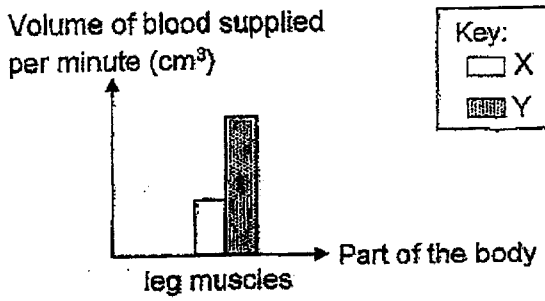
_____

_____

_____

Downloaded from SingaKids.com

20. The graph below shows the volume of blood supplied to the leg muscles when Tony exercises.



(a) In the table below, fill in **X** or **Y** to show the most likely exercises that were carried out by Tony. [1]

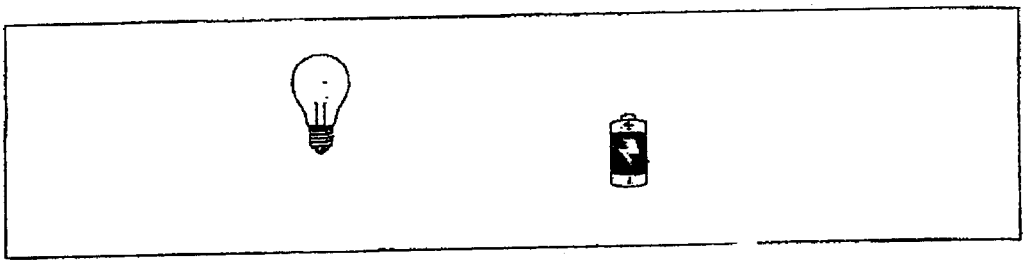
Sprinting	Brisk walking

(b) Explain why lesser blood is transported to his leg muscles during one of the exercises that was carried out. [2]

21. Jimmy was observing how electrical systems function during his Science lesson.

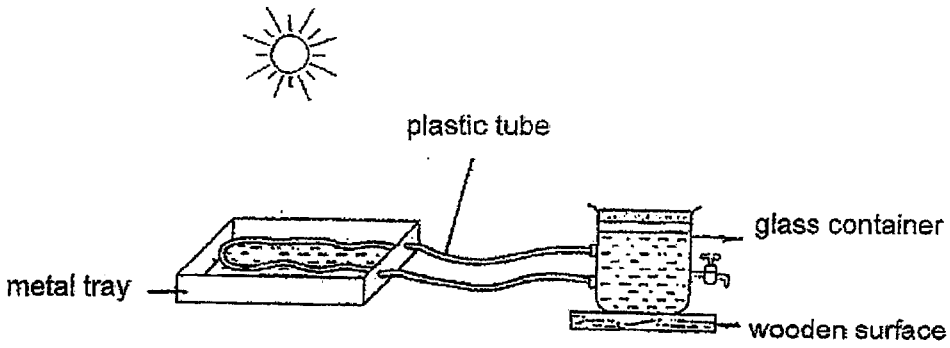
(a) What components are necessary for Jimmy to complete a simple electric circuit? [1]

(b) In the diagram below, draw 2 wires to connect the bulb and the battery for the bulb to light up. [1]



Downloaded from SingaKids.com

22. During a summer camp, Joelle learned about heating water using a homemade solar heater as shown below. The glass container, which is filled with water, is kept indoors away from sunlight, while the metal tray, also containing water in plastic tubes, is placed outdoors in the sun.

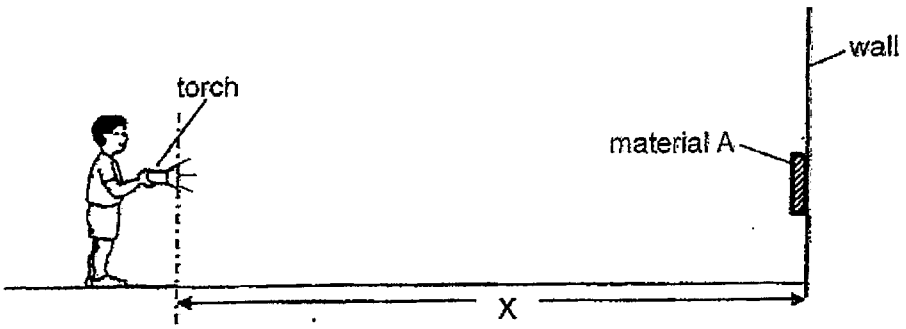


(a) Give a reason why the water in the glass container becomes hot after a few hours. [2]

(b) The glass container is placed on top of a wooden surface so that the water remained hot for a longer period of time. Explain why. [1]

Downloaded from SingaKids.com

23. Joe wanted to find out which material was best at reflecting light. He set up his experiment in a dark room as shown below.



Joe shone the light from the torch onto material A and walked towards it. When he could clearly see the material, he stopped and measured distance X, the distance between the torch and the wall. He repeated the experiment with materials B, C and D, one at a time. His results are shown below.

Material	A	B	C	D
X (cm)	150	300	250	200

(a) Why did Joe conduct his experiment in a dark room? [1]

(b) Based on Joe's results, which material is most suitable to be used to make traffic signs to warn drivers of sharp turns along the road? Explain your choice. [1]

(c) Joe's teacher said that he should use a light sensor to measure the amount of light reflected from the material. Explain how this suggestion would improve Joe's experimental results. [1]

~~ End of Booklet B~~

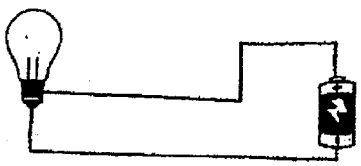
Downloaded from SingaKids.com

YEAR : 2025
LEVEL : PRIMARY 5
SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL
SUBJECT : SCIENCE
TERM : TERM 3 WEIGHTED ASSESSMENT

(BOOKLET A)

Q1	4	Q2	2	Q3	2	Q4	2	Q5	4
Q6	1	Q7	4	Q8	2	Q9	2	Q10	2
Q11	4	Q12	3	Q13	3	Q14	4	Q15	2
Q16	4	Q17	1	Q18	1				

(BOOKLET B)

Q19	a)	(i) Water (ii) Splitting
	b)	Fruit X has juicy flesh so animals eat the fruit and pass out the seeds as waste when they travel across the river.
Q20	a)	Sprinting: Y; Brisk walking: X
	b)	Brisk-walking is less rigorous so the body needs less energy so the heart pumps slower to transport less oxygen and digested food to his leg muscles for a lower rate of respiration.
Q21	a)	A working bulb a working battery and wires.
	b)	
Q22	a)	Water in the metal tray gains heat from the sun. Water in the plastic tube gains heat from water in the plastic tube gains heat from water in the metal tray and flows back to the glass container.
	b)	Wood is a poor conductor of heat and water in the glass container will lose heat to the surrounding slower.
Q23	a)	To ensure that any light detected is only from the torch light.
	b)	Material B. It reflected most light at the furthest distance so drivers can see the signs most clearly in order to reduce accidents.
	c)	To allow his results to be more reliable as the light sensor can provide accurate measurement.

END

Downloaded from SingaKids.com

Downloaded from SingaKids.com