Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

SEMESTRAL ASSESSMENT ONE 2019
SCIENCE
PRIMARY THREE
BOOKLET A

Name: _____ ( ) Class: Primary 3 ___

Date: 14 May 2019 Duration of paper: 1 h 15 min

_____

Parent's/Guardian's signature

INSTRUCTION TO CANDIDATES

1. This question paper consists of **10** printed pages including this cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answer on the Optical Answer Sheet (OAS) provided.

www.TestPapersFree.com

Downloaded from SingaKids.com

www.TestPapersFree.com

Downloaded from SingaKids.com

For each of the following questions from 1 to 14, 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. [28 marks]

---

1 Which one of the following statements is true about why we classify things?

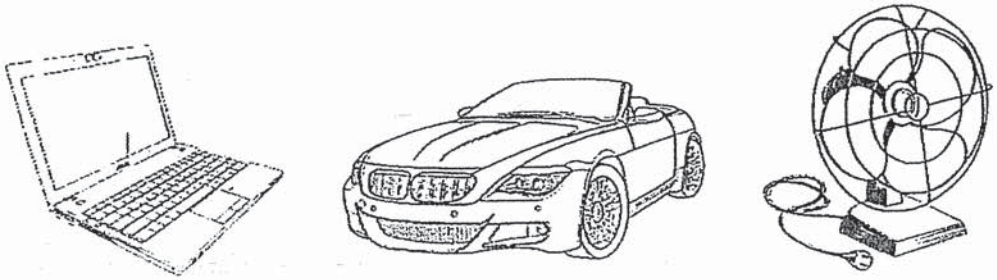
(1) To carry out experiments

(2) To put things into groups

(3) To group non-living things only

(4) To change the characteristics of things

2 Study the objects below carefully.



Which one of the following can be placed in the same group as the above objects?

(1) Lion

(2) Mushroom

(3) Mobile phone

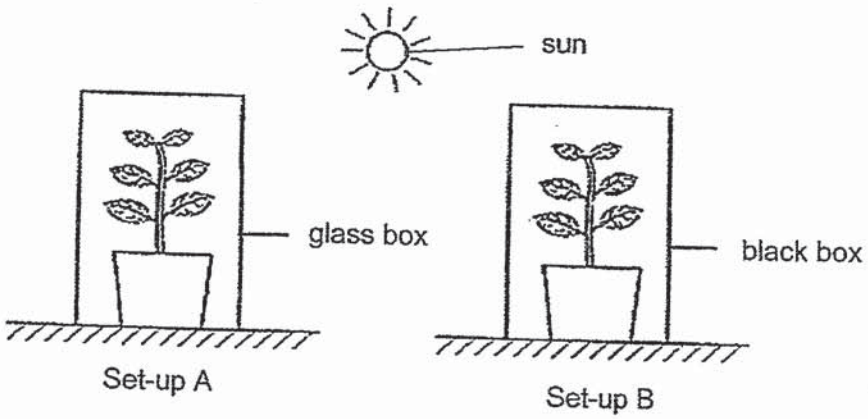
(4) Sunflower plant

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

3 Ben conducted an experiment as shown in the diagram below. Both set-ups A and B were given equal amount of water at the start of the experiment.



Ben recorded the height of each plant in the table shown below.

Day	Height of plant (cm)	
	Set-up A	Set-up B
1	5	5
10	8	5
20	X	Y

Which one of the following best represents X and Y?

	X	Y
(1)	0	13
(2)	7	10
(3)	10	5
(4)	5	12

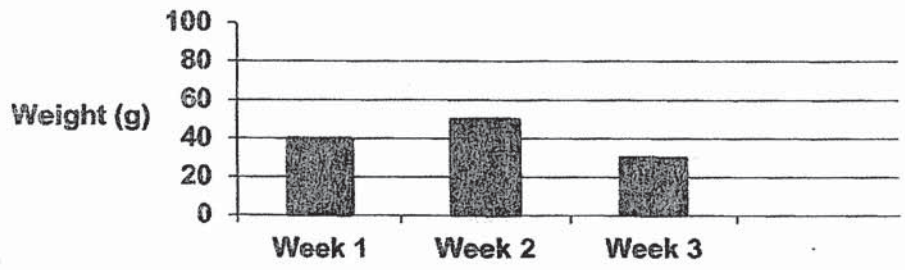
(Go on to the next page)

www.TestPapersFree.com

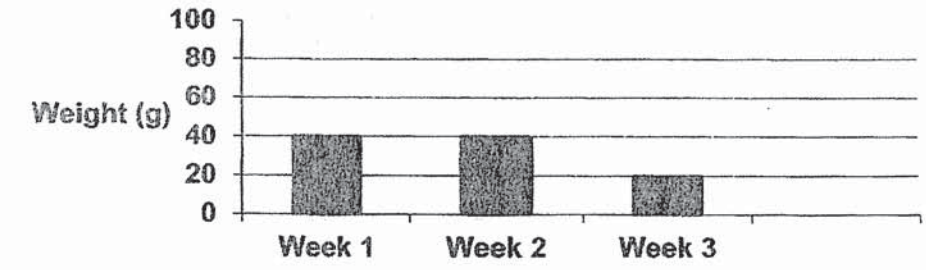
Downloaded from SingaKids.com

4 James placed four healthy goldfishes of similar size each into four fish tanks. The fish tanks were identical and contained equal amount of water. He fed each goldfish with a different type of food. Over the next three weeks, he recorded the weight of the four goldfishes in the graphs below. Which one of the goldfish had most likely been given the right type of food?

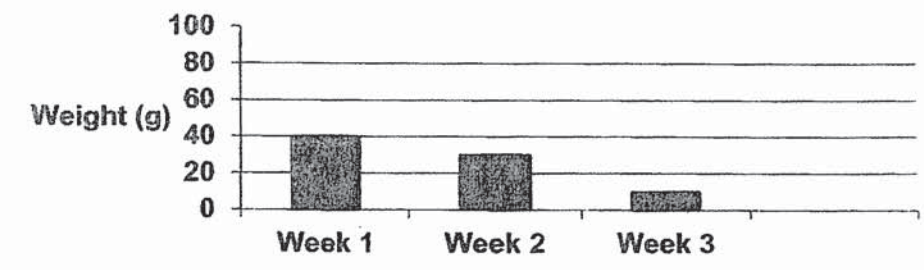
(1)



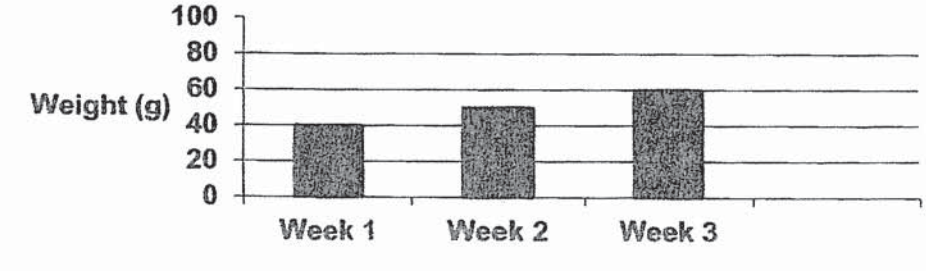
(2)



(3)



(4)

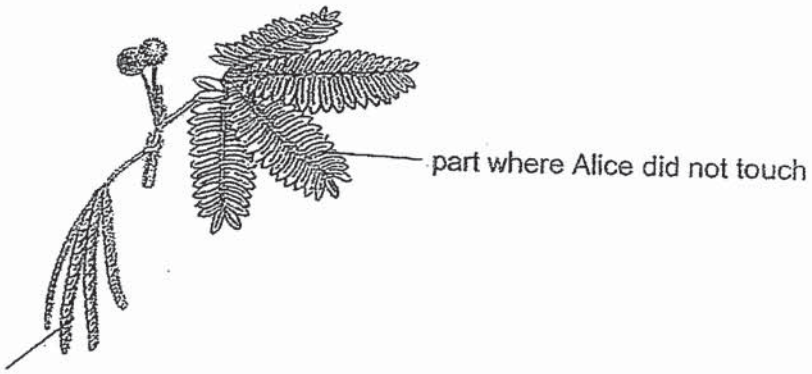


(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

5 Alice saw a plant on the field. She touched a part of the plant gently and observed the change in the plant as shown below.



Which one of the following characteristics of living things did Alice observe?

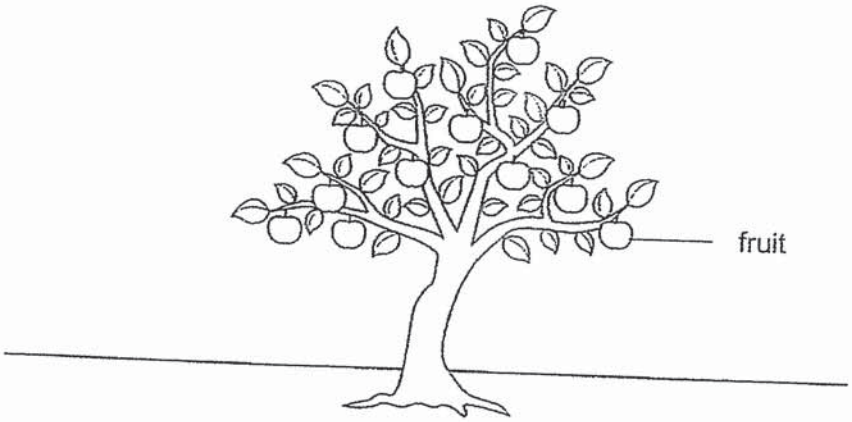
(1) Living things grow.

(2) Living things reproduce.

(3) Living things respond to changes.

(4) Living things need water, food and air to survive.

6 Study the diagram of a plant below carefully.



Based on the diagram only, which one of the following statements about the plant is true?

(1) It has weak stem.

(2) It is a flowering plant.

(3) It reproduces by spores.

(4) It needs only air and water to survive.

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

7 Which one of the following statements about ferns is true?

(1) They live in water only.

(2) They reproduce by seeds.

(3) They reproduce by spores.

(4) They feed on other living things which may be dead or alive.

8 Study the diagram below which shows a plant found in a pond.



Which one of the following set of characteristics below best represents the above plant?

	Characteristics		
	Has flowers	Makes its own food	Grows on land
(1)	✓	✓	✓
(2)		✓	
(3)	✓	✓	
(4)			✓

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

9 Study the pictures below on Animal P and Animal Q.



Animal P



Animal Q

What do Animals P and Q have in common?

A They have wings.

B They have beaks.

C They have two legs.

D They have hard outer coverings.

(1) A only

(2) A and C only

(3) B and D only

(4) A, B and C only

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

10 Which of the following statements are true of amphibians?

A They have moist skin.

B They can breathe on land.

C They can breathe in water.

D They reproduce by giving birth to their young.

(1) A and B only

(2) B and C only

(3) A, B and C only

(4) A, C and D only

11 The table below shows the characteristics of two groups of animals, S and T.
A tick (✓) in the box shows that the animals have the characteristics.

Characteristics	Group S	Group T
Live in water		✓
Have dry skin	✓	
Reproduce by laying eggs	✓	✓
Have scales on their bodies	✓	✓

Which one of the following best represents Group S and Group T?

	Group S	Group T
(1)	Birds	Fish
(2)	Insects	Reptiles
(3)	Reptiles	Fish
(4)	Mammals	Amphibians

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

12 Which one of the following statements is true about both mushroom and bacteria?

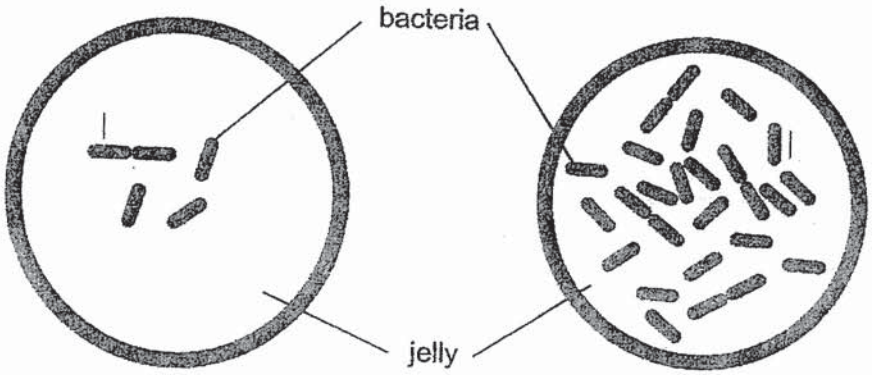
(1) Both feed on other living things.

(2) Both only need water to survive.

(3) Both need sunlight to make food.

(4) Both can be seen only with a microscope.

13 An experiment was carried out to find out how well bacteria grow in jelly that were kept in two different places. The diagram below shows the amount of bacteria growing in two dishes of jelly after some time.



Which of the following variables must be kept the same to ensure a fair test?

A. Amount of jelly in each dish
B. Amount of time of the experiment
C. Place where the experiment was conducted
D. Amount of bacteria at the start of the experiment

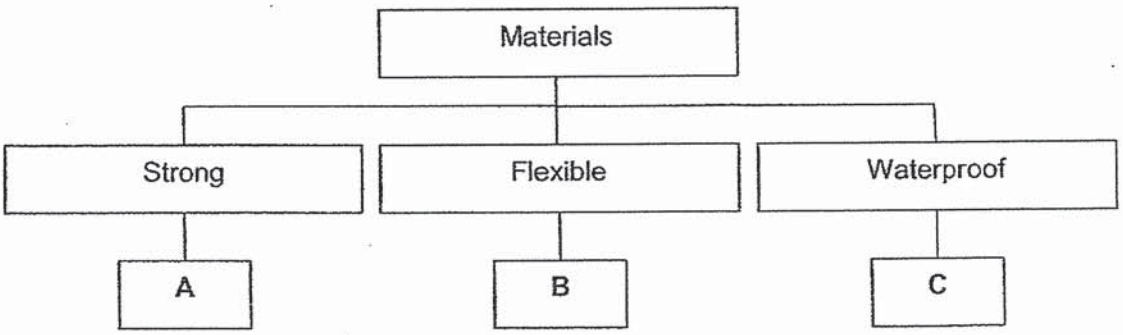
(1) A only
(2) C and D only
(3) A, B and D only
(4) A, B, C and D

(Go on to the next page)

www.TestPapersFree.com

Downloaded from SingaKids.com

14 Study the classification chart below carefully.



Which of the following could A, B and C be?

	A	B	C
(1)	Iron	Paper	Plastic
(2)	Paper	Iron	Cotton
(3)	Iron	Rubber	Paper
(4)	Plastic	Rubber	Cotton

END OF BOOKLET A

Please go on to Booklet B.

www.TestPapersFree.com

Downloaded from SingaKids.com

Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

SEMESTRAL ASSESSMENT ONE 2019
SCIENCE
PRIMARY THREE
BOOKLET B

Name: _____ ( ) Class: Primary 3 ____

Date: 14 May 2019

Duration of paper: 1 h 15 min

_____

Parent's/Guardian's signature

INSTRUCTION TO CANDIDATES

1. This question paper consists of 7 printed pages, including this cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.

Booklet	Maximum marks	Marks obtained
A	28	
B	22	
Total	50	

www.TestPapersFree.com

Downloaded from SingaKids.com

For questions 15 to 20, write your answers in the spaces provided in this booklet. The number of marks available is shown in brackets [ ] at the end of each question or part question.

[22 marks]

---

15 Peter measured the heights of two organisms for several months. The results are recorded as shown in the table below.

	Organism A	Organism B
Month	**Height (cm)**	**Height (cm)**
February	13	10
April	13	13
June	13	16

State whether each of the following statement is "True", "False" or "Not possible to tell". Put a tick (✓) in the correct boxes below. [3]

	Statement	True	False	Not possible to tell
(a)	Both organisms are equally tall in February.			
(b)	Organism A is lighter than Organism B.			
(c)	Organism B grew taller but Organism A did not.			

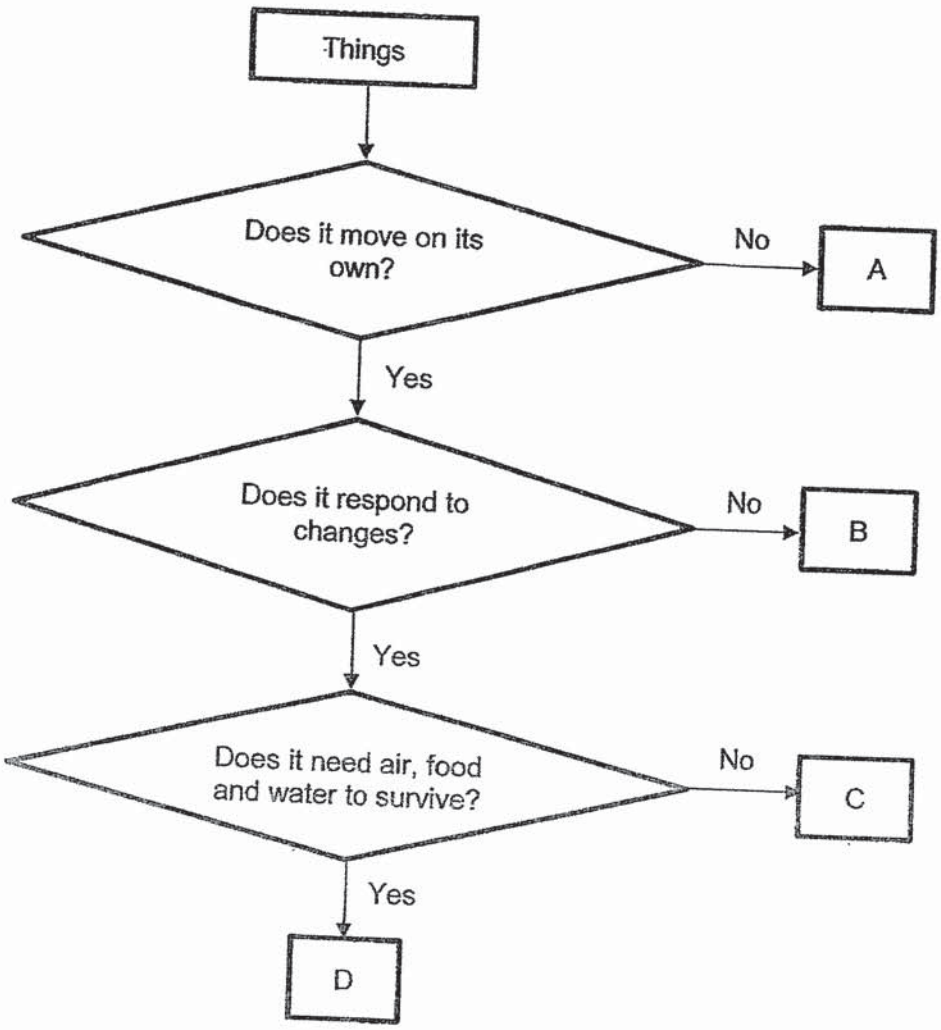
(Go on to the next page)

Score 3

www.TestPapersFree.com

Downloaded from SingaKids.com

16 Study the flowchart below carefully.



(a) Based on the flowchart above, list one characteristics of A. [1]

_____

(b) Based on the flowchart above, state one similarity between B and C. [1]

_____

_____

(c) Based on the flowchart above, state the thing(s), A, B, C or D that is/are alive.

[1]

_____

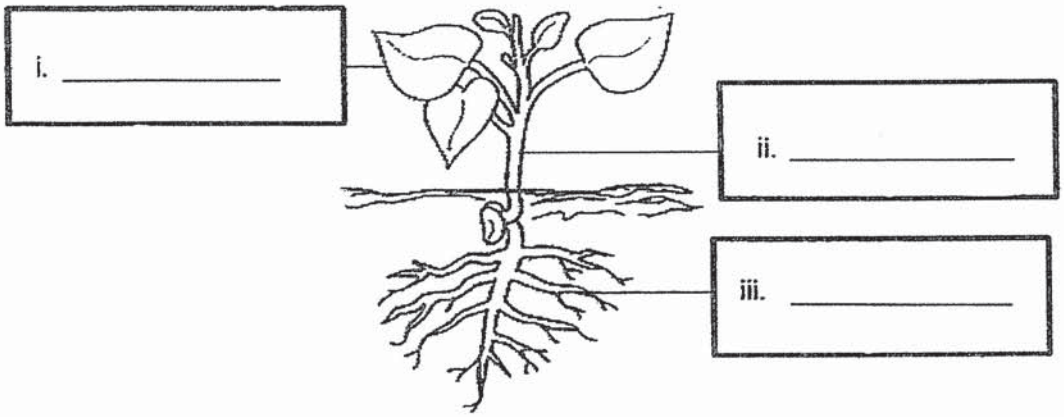
(Go on to the next page)

Score 3

www.TestPapersFree.com

Downloaded from SingaKids.com

17 Study the diagram of a plant below carefully.



(a) On the diagram above, fill in the blanks with the correct plant parts. [3]

(b) State one function of part (iii). [1]

_____

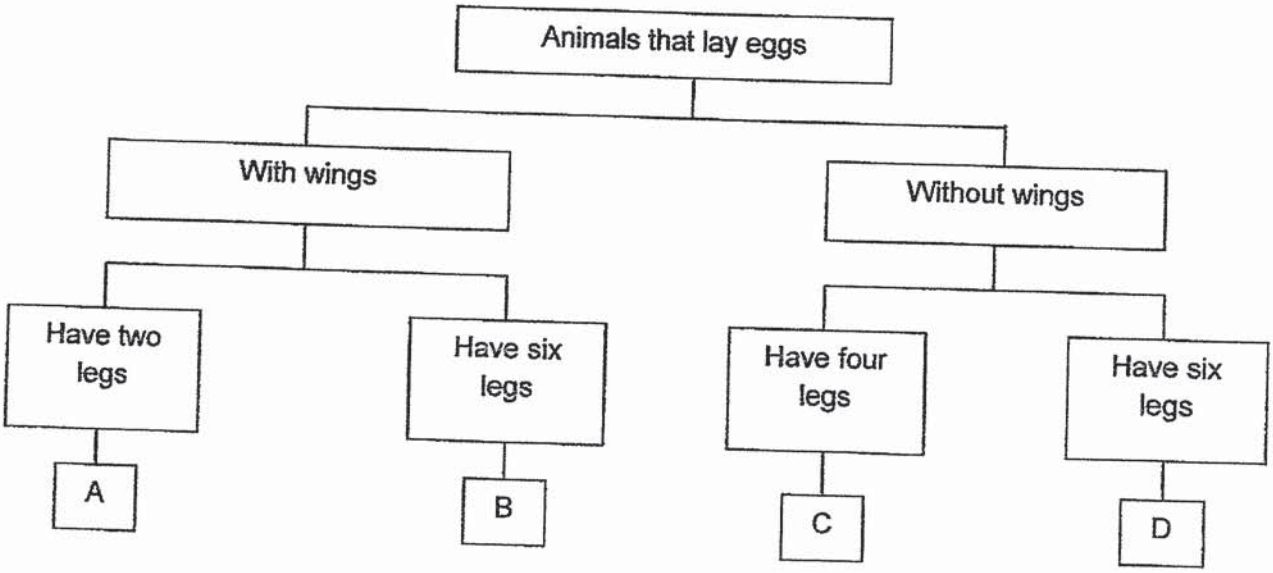
(Go on to the next page)

Score	/ 4

www.TestPapersFree.com

Downloaded from SingaKids.com

18 Leon classified four animals using a classification chart as shown below.



(a) Using the chart above, state two differences between animals B and C. [2]

(b) Based on the classification chart above, name suitable animal groups in which animals A and D belong to?

[2]

Animal Group	
Animal A	**Animal D**
(i)	(ii)

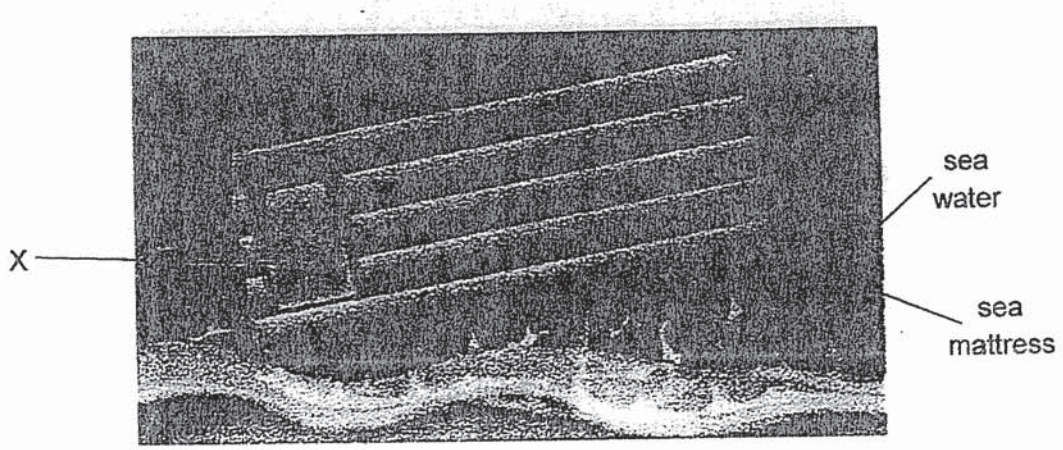
(Go on to the next page)

Score 4

www.TestPapersFree.com

Downloaded from SingaKids.com

19 Marcus placed his face comfortably on part X while resting on an inflatable sea mattress to look directly underneath at the animals in the sea.



Now study the table given below.

Material / Property	A	B	C
Does it float on water?	Yes	No	No
Does it allow water to pass through it?	No	No	No
Does it allow light to pass through it?	Yes	Yes	No

(a) Which material A, B or C is most suitable to make part X of the sea mattress? Explain your answer. [2]

_____

_____

(b) Based on the table above, suggest which letter A, B, or C best represents the following objects. [2]

(i) ceramic ball : _____

(ii) glass ball : _____

(Go on to the next page)

Score 4

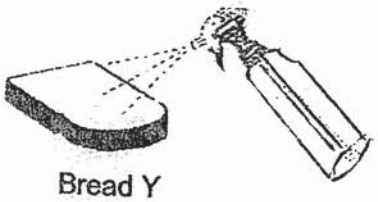
www.TestPapersFree.com

Downloaded from SingaKids.com

20 Thomas carried out an experiment using two similar slices of bread, X and Y, as shown in the diagram below. Bread Y was sprayed with water at the start of the experiment. Both slices of bread were then left on a kitchen table.



Bread X



Bread Y

Thomas recorded his observations over seven days in the table below.

Day	Bread X	Bread Y
1	No change	No change
3	No change	No change
5	No change	A few dark spots
7	A few dark spots	Many dark spots

(a) State what could be the dark spots observed in the experiment. [1]

_____

(b) Explain why more dark spots were observed on Bread Y compared to Bread X at the end of the experiment. [1]

_____

Another slice of bread, Z was heated in a toaster oven to dry it before the experiment. It was also left on the same kitchen table for seven days.

(c) Predict what Thomas would observe on Bread Z after Day 7. Explain your answer. [2]

_____

_____

_____

END OF BOOKLET B

Please check all your answers carefully.

Score	
	4

www.TestPapersFree.com

Downloaded from SingaKids.com

www.TestPapersFree.com

Downloaded from SingaKids.com

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 3
SCHOOL : ANGLO-CHINESE SCHOOL
SUBJECT : SCIENCE
TERM : SA1

BOOKLET A

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

BOOKLET B

Q15a)False

b)Not possible to tell

c)True

Q16a)It does not move on its own.

b)They both move by themselves

c)D is alive because it needs air food and water to survive.

Q17a)i.leaf

ii.ste

iii.roc

b)It helps to hold the plant on the ground.

Q18a)nimal B has wings. While Animal C has wings. Animal B has six legs while Animal C has six legs. (b) (i) Bird (i) Insects.

Q19a)Material A is the most suitable because it can float, waterproof and also allows light to pass through.

(b)(i)C

www.TestPapersFree.com

Downloaded from SingaKids.com

(ii)B

Q20a)The dark sports could be mould

b)The mould has more water in Bread Y to grow well. Bread Y was sprayed with water but bread X was not.

c)There were no dark spots on bread Z after 7 days /less spots compared to bread X.As toasting the bread takes away /moisture for the mould to stay alive/grow well as mould is a living thing and living thing need water to survive.

2

3N D

www.TestPapersFree.com

Downloaded from SingaKids.com