

W172

Anglo-Chinese School (Junior)

BITE-SIZED ASSESSMENT TWO (2025)
PRIMARY 3

SCIENCE

Thursday

15 May 2025

45 min

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 9 questions in this booklet.

Answer ALL questions.

Name: _____ ()

Class: 3. ()

Parent's Signature: _____

	Possible Marks	Marks Obtained
TOTAL	25	

This question paper consists of 9 printed pages. (Inclusive of cover page)

Answer questions 1 to 9. The number of marks available is shown in the brackets [] at the end of each question. (25 marks)

1. The table shows the characteristics of animals, A, B, C and D.

Animal	Characteristics of animals		
	Where it lives	Outer covering	Constant body temperature
A	in water	hair	Yes
B	on land	dry skin covered with scales	No
C	on land	hard outer covering	No
D	on land	feathers	Yes

(a) Match each picture to the correct animal, A, B, C or D, based on the characteristics listed in the table. [2]



snake

● Animal A



beetle

● Animal B



chicken

● Animal C



dolphin

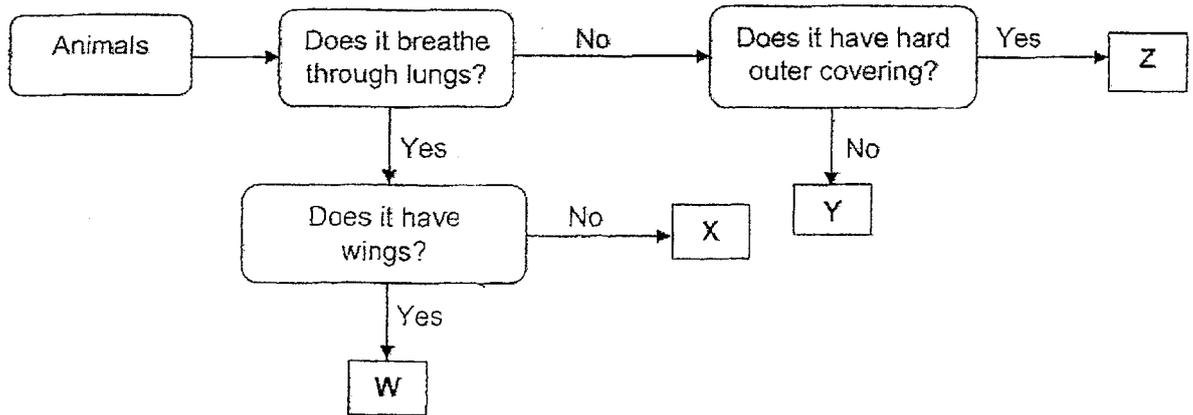
● Animal D

(b) State how animal D reproduces. [1]

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SCORE	3
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2. Answer the following questions based on the flow chart.



(a) The pictures show a salamander and a mudskipper.



salamander



mudskipper

Which letter, W, X, Y or Z, best represents the salamander and mudskipper?

[1]

Salamander: _____

Mudskipper: _____

(b) State the characteristics of animal W.

[1]

(c) (i) Which animal group does animal Z most likely belong to?

[½]

The picture shows a spider.



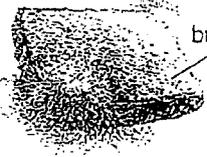
(ii) Based on the picture, explain why the spider does not belong to the same animal group as animal Z.

[½]

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SCORE	3
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3. Jessica classified some living things into two groups, J and K.

Group J		Group K	
rotting log 	 bread		
mushroom	mould	bird's nest fern	lemon plant

(a) Suggest suitable headings for Groups J and K. [1]

Group J: _____

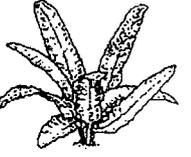
Group K: _____

(b) State where the mushroom and mould in the pictures above get their food from. [1]

Mushroom: _____

Mould: _____

(c) Jessica reclassified the living things into two other groups as shown.

Group L	Group M
	  

State the characteristic which Jessica used to regroup the living things. [1]

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SCORE	3
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4. (a) The following statements are about bacteria. Write the letter 'T' if the statement is true and 'F' if the statement is false in the box provided. [2]

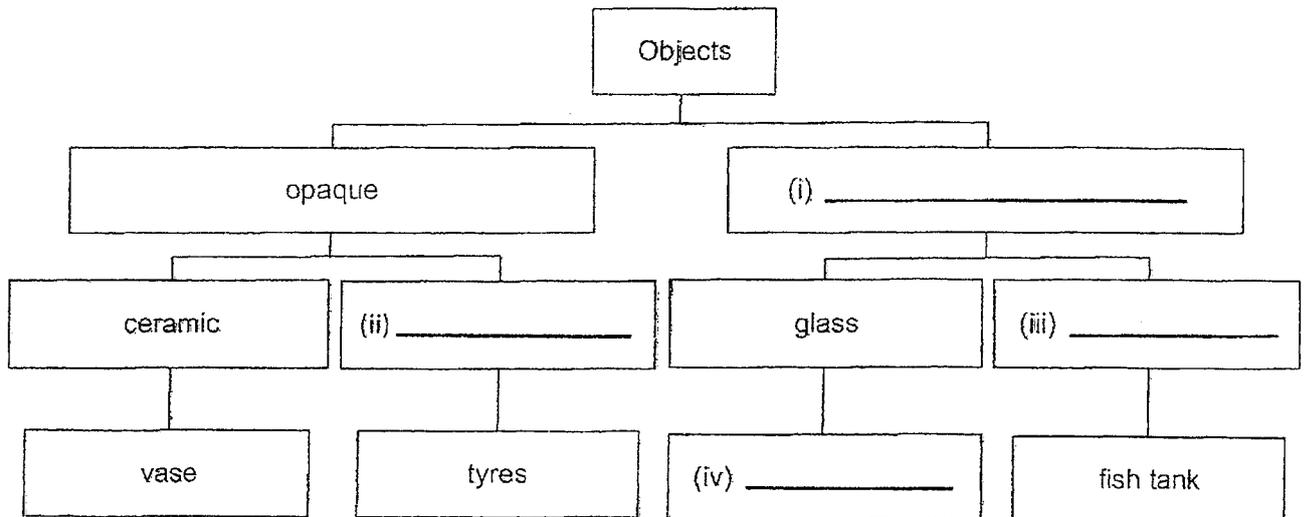
Statement	T or F
Bacteria can grow.	
Bacteria can make their own food.	
Bacteria can be seen without a microscope.	
Bacteria is used in antibiotics to cure bacterial infections.	

- (b) State one way yeast is useful to us. [1]
-

5. The diagram shows some objects grouped according to the materials they are made from and their properties.

Complete the diagram by using the words in the table. [2]

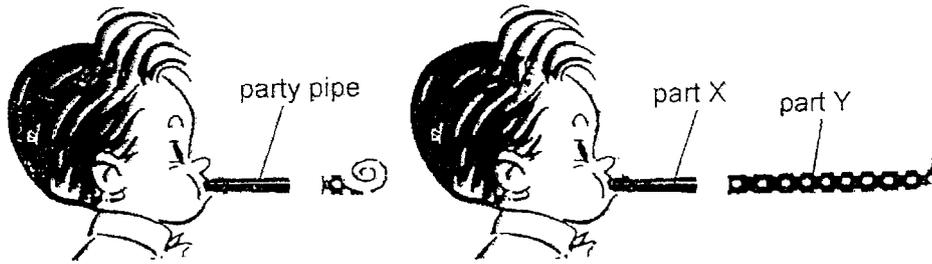
wood	plastic	flexible	window
rubber	metal	transparent	chair



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SCORE	5
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6. James blows air into the party pipe which extends out as shown.



(a) What is an important property that we must consider when we make parts X and Y of the party pipe? Place a tick (✓) in the correct box for each of the parts. [1]

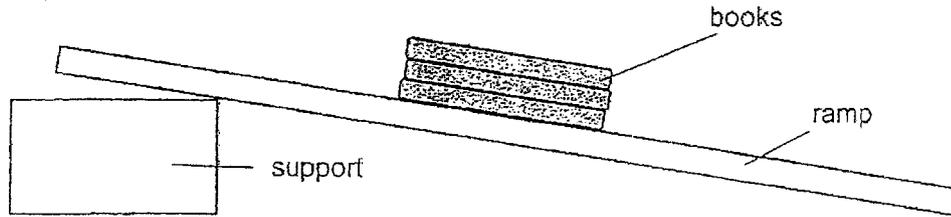
Property	Part X	Part Y
Ability to sink or float		
Flexibility		
Transparency		
Waterproof		

(b) Explain why you chose the property in (a) for part Y. [1]

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SCORE	2
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7. Jianfu set up the following experiment to find out which material allows the greatest number of books to be placed on it before it breaks.

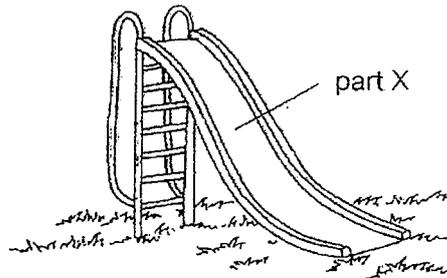


He used different materials, P, Q, R and S for the ramp and recorded the number of books placed on the material before it breaks in the table as shown.

Material	Number of books placed before it breaks
P	19
Q	5
R	15
S	8

- (a) Name the property of materials that Jianfu is testing in his experiment. [1]

- (b) The picture shows a slide at an outdoor playground.



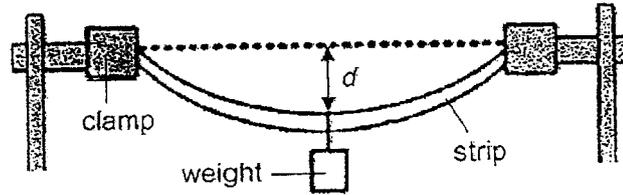
Which material, P, Q, R or S, is the most suitable to make part X of the slide? Explain your answer based on the results in the table. [1]

- (c) State one other property of the material used to make part X based on the use of the slide. [1]

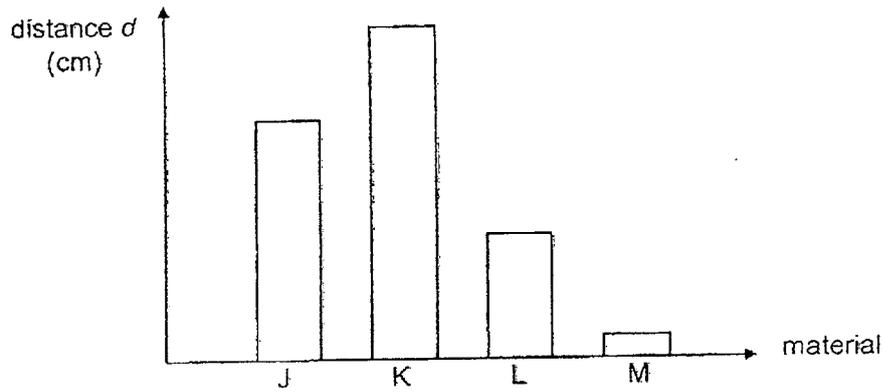
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SCORE	3

8. Jamal conducted an experiment by placing a 1 kg weight on four strips made of different materials, J, K, L and M.

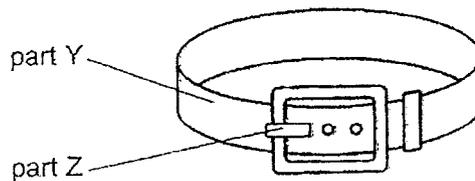


He measured the distance bent by each material, d , and recorded his results in a graph as shown.



- (a) State the property of materials that is tested in this experiment. [1]

- (b) Jamal decided to use material K to make part Y of his belt.



- (i) Give a reason why material K is the most suitable. [1]

- (ii) State a property of the material used to make part Z based on the use of the belt. [1]

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SCORE	3
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9. You are given a candlelight and three objects made of different materials, X, Y and Z.

- You may switch on the candlelight by pushing the black switch at its base.
- Please switch off the candlelight after use.

Use the objects and the candlelight to answer the following questions.

(a) Describe how you will use the candlelight to conclude which object, X, Y or Z, is transparent. [1]

(b) Your teacher has placed objects, X, Y and Z, in a container of water as shown on the screen. What can you conclude about the materials' ability to sink or float in water? [1]

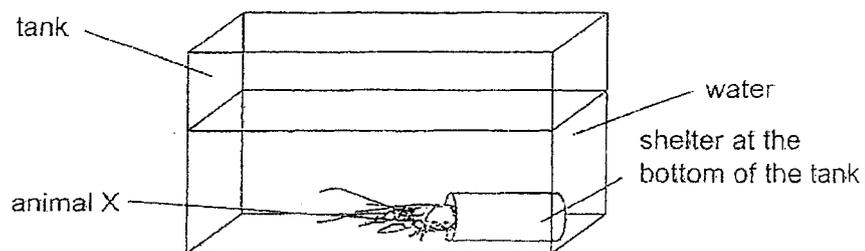
Circle your conclusion for each of the object.

X: (Floats on water / Sinks in water)

Y: (Floats on water / Sinks in water)

Z: (Floats on water / Sinks in water)

(c) The picture shows animal X in a tank.



You need to design a shelter as shown above for animal X that prefers a dark environment, which material, X, Y or Z, would be the most suitable? Explain your answer. [1]

End of paper

YEAR : 2025
 LEVEL : PRIMARY 3
 SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
 SUBJECT : SCIENCE
 TERM : BITE SIZED ASSESSMENT 2

(BOOKLET A)

Q1	a)	Snake – Animal B Beetle – Animal C Chicken – Animal D Dolphin – Animal A				
	b)	Animal D reproduces by laying eggs.				
Q2	a)	Salamander : X Mudskipper : Y				
	b)	It breathes through its lungs and has wings.				
	c)	<table border="1"> <tbody> <tr> <td>i)</td> <td>Insects</td> </tr> <tr> <td>ii)</td> <td>An insect has 6 legs, but a spider has 8 legs.</td> </tr> </tbody> </table>	i)	Insects	ii)	An insect has 6 legs, but a spider has 8 legs.
i)	Insects					
ii)	An insect has 6 legs, but a spider has 8 legs.					
Q3	a)	Group J : Fungi Group K : Plants				
	b)	Mushroom : It get its food from the rotting log. Mould : It feeds on the bread.				
	c)	Whether they reproduce by seeds or spores.				
Q4	a)	T F F T				
	b)	It is used to make bread for us to eat.				
Q5	i)	Transparent				
	ii)	Rubber				
	iii)	Plastic				
	iv)	window				
Q6	a)	Part Y : Flexibility Part X : Waterproof				
	b)	When Part Y is not blown, it curls up. That shows that it is flexible.				
Q7	a)	Strength				
	b)	Material P. It can hold the most number of books before it broke. A slide must be as strong as possible in order for people to slide on it without breaking.				
	c)	Waterproof.				
Q8	a)	Flexibility.				
	b)	<table border="1"> <tbody> <tr> <td>i)</td> <td>A belt. As K is the most flexible it must be able to wrap around a person's waist.</td> </tr> <tr> <td>ii)</td> <td>Strength. It is strong.</td> </tr> </tbody> </table>	i)	A belt. As K is the most flexible it must be able to wrap around a person's waist.	ii)	Strength. It is strong.
	i)	A belt. As K is the most flexible it must be able to wrap around a person's waist.				
ii)	Strength. It is strong.					

Q9	a)	Shine the candlelight on each object. Observe which object allows most light to pass through.
	b)	X : Sinks in water Y : Sinks in water Z : Floats on water
	c)	Material X. It sinks in water and is not transparent. Animal X prefers a dark environment and the shelter must be at the bottom of the tank.