



Nan Hua Primary School
Primary 3 Science
Term 2 Weighted Assessment 2025

Marks	
Section A:	/ 10
Section B:	/ 10
Total:	/ 20

Name: _____ ()

Class: Primary 3 _____

Date: _____

Duration: 30 minutes

Parent's Signature

Answer all questions

Section A: (5 x 2 marks = 10 marks)

For each question from 1 to 5, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer in the brackets provided.

1 Felicia observed the characteristics of animal A and recorded them below.

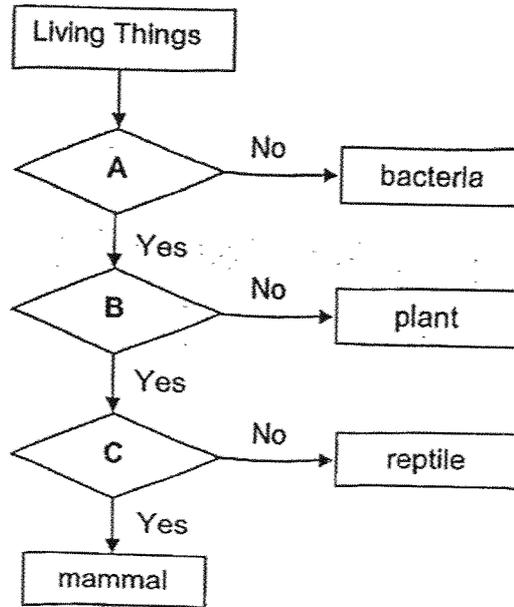
- lay eggs
- has three body parts

Which group of animals could animal A belong to?

- (1) birds
- (2) insects
- (3) reptiles
- (4) amphibians

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2 Study the flow chart.

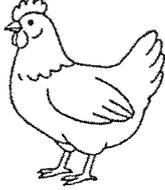
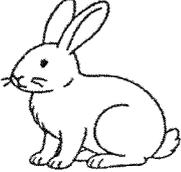


Which of the following shows the characteristics represented by A, B and C?

	A	B	C
(1)	Can you see it with your naked eye?	Does it give birth to young?	Does it makes its own food?
(2)	Can you see it with your naked eye?	Does it move from place to place?	Does it produce milk for its young?
(3)	Does it make its own food?	Does it give birth to young?	Can you see with your naked eye?
(4)	Does it make its own food?	Does it move from place to place?	Does it produce milk for its young?

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3 Jimmy studied the groups of animals below.

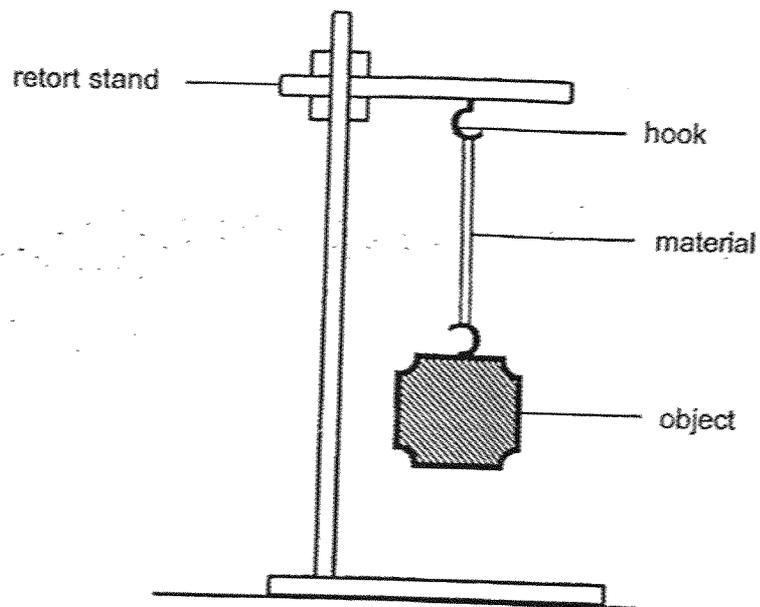
Group A	Group B	Group C
		
		

How are the animals grouped?

- (1) how it moves
- (2) number of legs
- (3) type of outer coverings
- (4) type of reproduction methods

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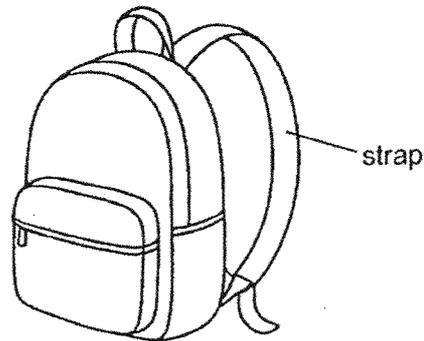
4 Sabrina conducted an experiment using the set-up below.



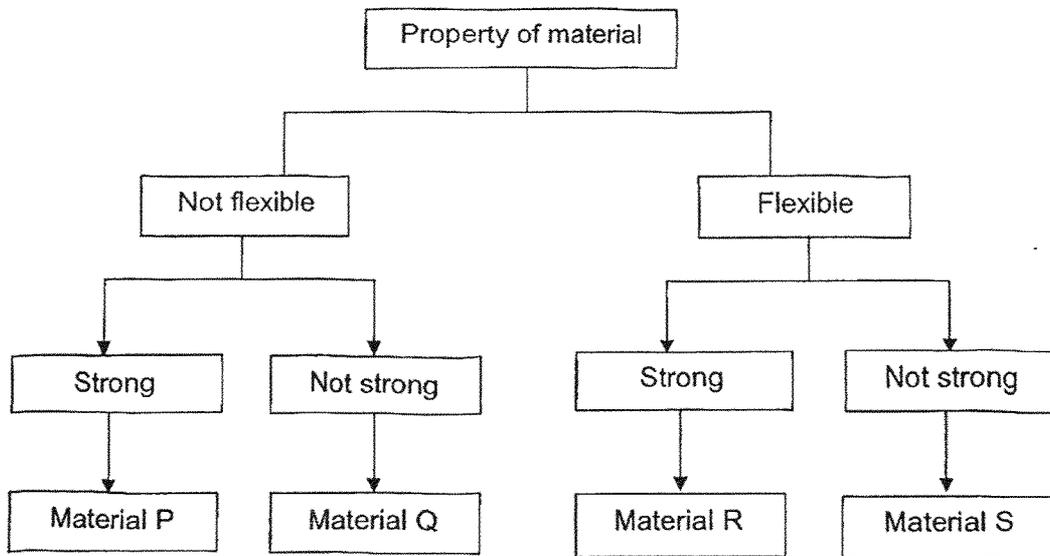
She increased the weight of the object until the material broke.
The aim of the experiment was to find out _____.

- (1) how strong the material is
- (2) how flexible the material is
- (3) how long it takes for the load to drop
- (4) how loud the sound will be when the object drops

5 Andy wanted to buy a bag to carry his heavy books.



He recorded the properties of four materials, P, Q, R and S, in the chart below.



Based on the chart, which material should be used to make the strap?

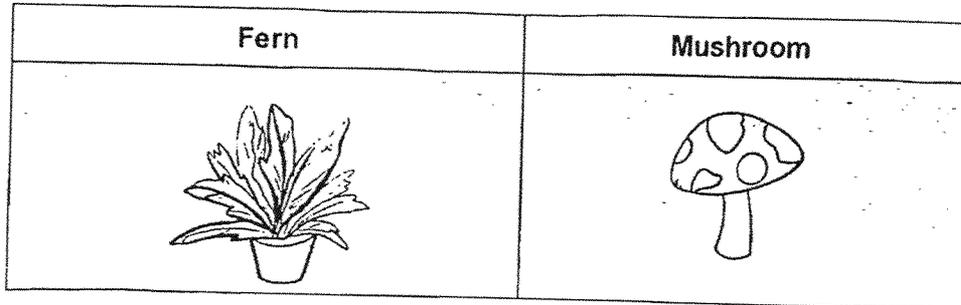
- (1) Material P
- (2) Material Q
- (3) Material R
- (4) Material S

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Section B: Structured questions (10 marks)

For questions 6 to 8, write your answers in the space provided. The number of marks available is shown in brackets [] at the end of each question or part question.

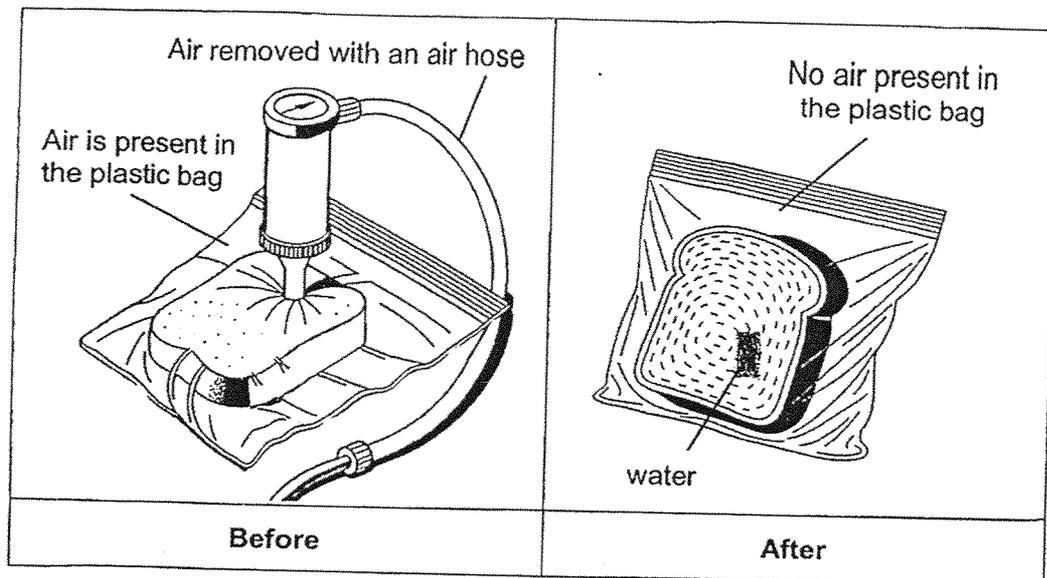
6 The diagrams below show two living things.



(a) State one similarity between the fern and the mushroom.

[1]

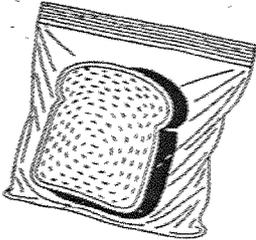
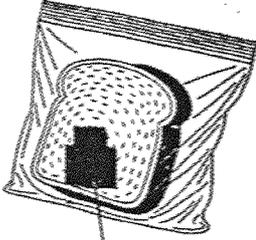
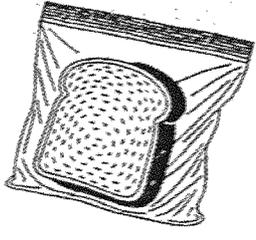
James conducted an experiment using bread. He added water on the bread and then use an air hose to remove the air in the plastic bag as shown below.



(b) Circle the correct answer.

James wanted to find out if (water / food / air) is needed [1] for bread mould to grow based on the experiment conducted.

James prepared three set-ups using the same type of bread and plastic bags. He removed the air in the plastic bags and placed the set-ups at the back of the classroom. One week later, James checked his set-ups and recorded his observations in the table below.

Set-up A	Set-up B	Set-up C
		
No mould	mould	No mould

Set-up	Amount of water added	Observation
A	one drop of water	no mould is seen
B	one drop of water	mould is seen
C	one drop of water	no mould is seen

(c) James suspected that there were holes in the sealed plastic bag used in set-up B. Do you agree? Explain your answer. [2]

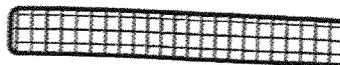
SCORE	4
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(Go on to the next page)

- 7 Siti had a metal ruler and a plastic ruler in her pencil case. One day, she accidentally sat on her pencil case and heard a cracking sound. She checked her pencil case and noticed the following changes to her rulers.



Ruler P is broken



Ruler Q is not broken

- (a) Match the materials used for making ruler P and ruler Q.

ruler P • metal

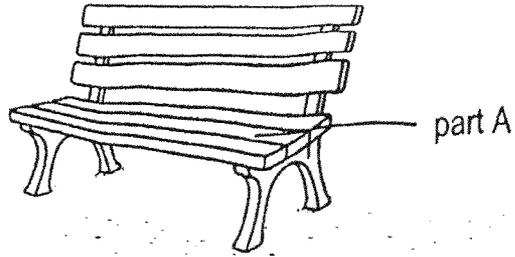
ruler Q • plastic

- (b) Using the physical property of materials, explain your choice for ruler P in (a). [1]

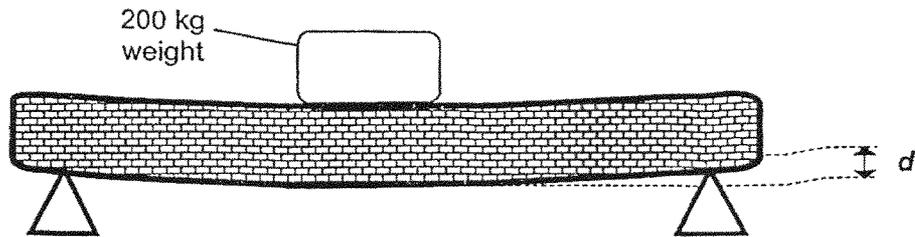
- (c) Other than metal and plastic, name a suitable material for making a ruler. [1]

SCORE	3
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8 Peter wanted to make a bench for his family to sit on.



He tested three materials, W, X and Y, used as part A of the bench. He placed a 200 kg weight on each material and recorded his observations in the table below.



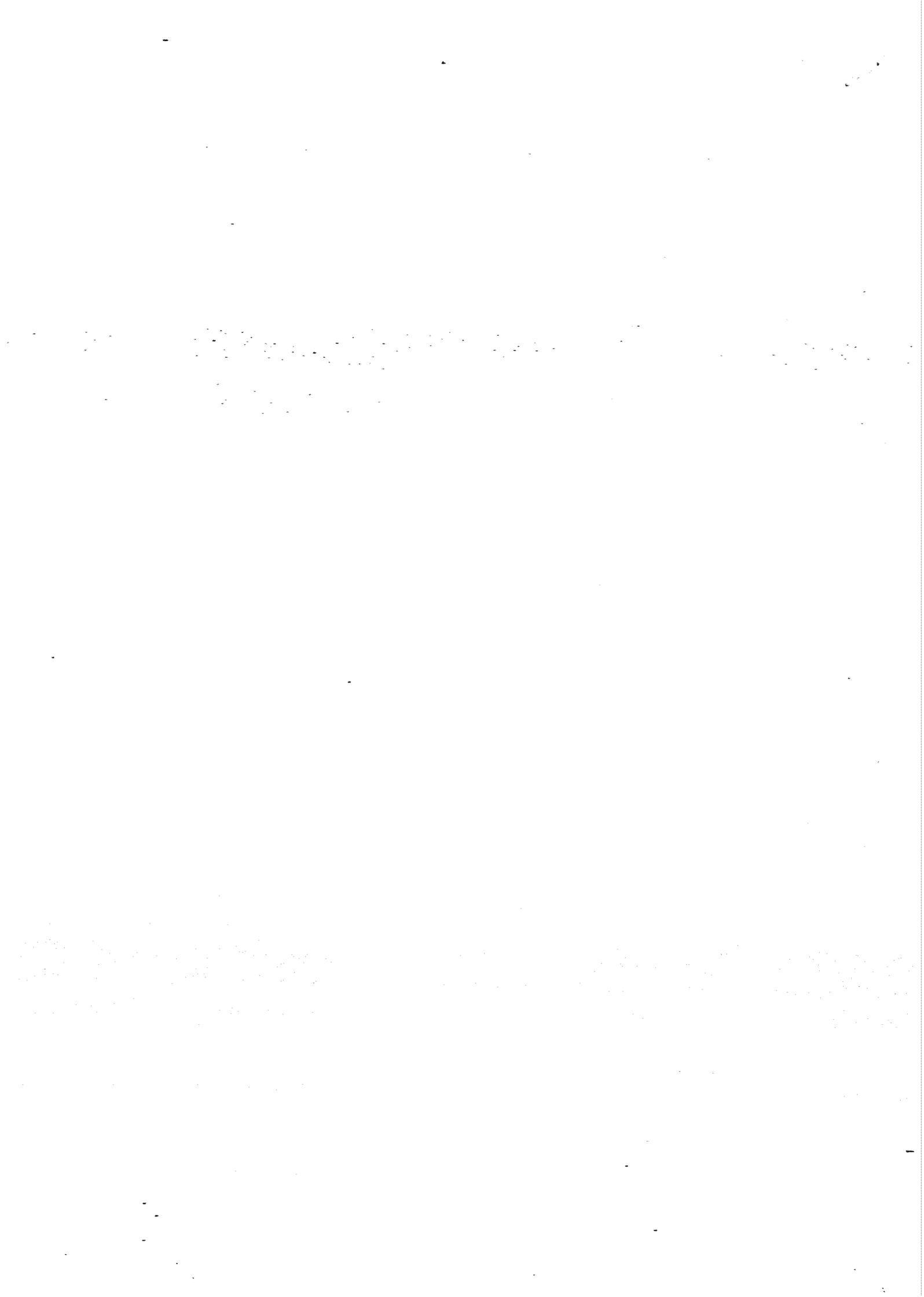
Material	Amount of weight added (kg)	d (cm)
W	200	8
X	200	1
Y	200	10

(a) Which of the materials, W, X, or Y, is most suitable for Peter to use for part A of the bench? Explain your answer. [2]

(b) How would the distance d be affected if a lighter weight is used? [1]

End of Paper

SCORE	3
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NAN HUA PRIMARY SCHOOL
PRIMARY 3 SCIENCE WA2
MARK SCHEME

Booklet A

Question No	Correct Answer
1	2
2	2
3	3
4	1
5	3

Booklet B

Qn	Correct/Acceptable Answers
6a	Any one of the following: Both living things reproduced by spores. Both living things are unable to move from place to place. Both need air, food and water to survive. Both can reproduce.
6b	Air
6c	Yes. <u>Mould needs air</u> (Concept) When mould is seen in the sealed plastic bag C, it means that <u>air must have entered the through the holes.</u> (Evidence)
7a	<p>ruler P metal</p> <p>ruler Q plastic</p>
7b	<u>Metal is stronger than plastic.</u> Or <u>Plastic is weaker than metal.</u>
7c	Any one of the following: rubber, wood
8a	Material X (Choice) Distance d is <u>the least</u> , (Evidence) so material X is the <u>most rigid/ least flexible.</u> (Concept) Thus the bench <u>will not bend/ sink in</u> under the weight of the people sitting on it. (Link)
8b	d would <u>decrease</u>