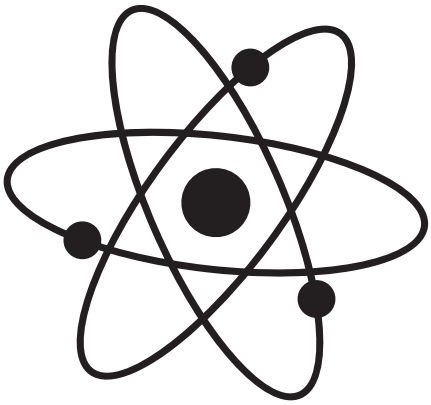
ASMOPSS THAILAND 2026

Asian Science & Mathematics Olympiad for Primary and Secondary Schools (Thailand)

Science Primary G.1



Sunday, August 9, 2026

10:30 a.m. – 12:00 p.m. (90 minutes)

B

Instructions

1. This exam includes 30 questions, with 4 choices given (100 marks).
2. Use a 2B black pencil or darker one to fill in the circle.
3. Fill out your name, grade, school, test center, room, seat number, and identification number either in pen or in pencil.
4. If you want to change an answer that you have already marked, use a clean eraser to erase the incorrect answer and mark the new one.
5. It should be noted that figures in the exam are not drawn to scale.
6. Dictionaries, calculators, and electronic devices are not permitted in the test room.
7. Note taking can be done on the test paper only, with no extra sheet provided.
8. Do not write anything or make any symbols in the black barcode area along the edge of the paper except the answers on the answer sheet. Make sure the answersheet is not crumpled.
9. Submit the answer sheet to the proctor when the time is up.
10. Cheating in the exam may cause serious consequences including disqualification from receiving any award or joining the second round of the test held by ASMOPSS THAILAND.

Should any disagreement arise, the judgment of the panel is deemed final.

Announcement of the results via https://asmopssthailand.com on September 14, 2026

: ASMOPSS Thailand / Miraah Education

Contact US

LINE @asmopss.thailand

LINE @miraah.edu

Instructions :

1. Each question carries a different score, as indicated at the end of the question.
2. Students must select only the one best answer for each question.

1. A child ran towards a bird resting on the ground, causing the bird to fly away. What does the bird's response tell us about living things?

(2.5 marks)



(1) Living things can fly.

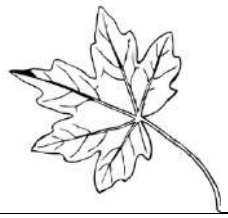
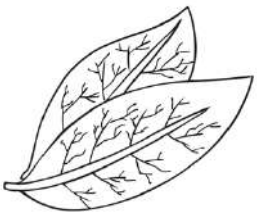
(2) Living things respond to changes.

(3) Living things can reproduce.

(4) Living things can grow.

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2. The leaves below are grouped according to a common characteristic.

			
Leaf A	**Leaf B**	**Leaf C**	**Leaf D**

Which characteristic do all these leaves share that allows them to be grouped together? (2.5 marks)

(1) They have lobed edges.

(2) They have smooth edges.

(3) They have a round shape.

(4) They have a network of veins.

3. Which of the following animals does not belong to the same group as the others? (2.5 marks)

(1) 

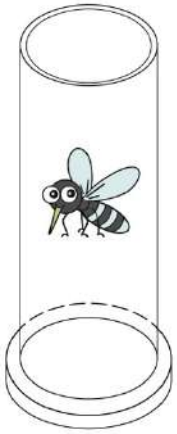
(2) 

(3) 

(4) 

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4. Ally caught a mosquito and trapped it in a sealed glass container. Three days later, she noticed that the mosquito was dead.



Which of the following is the least likely cause of the mosquito's death?
(2.5 marks)

(1) There was not enough air in the glass container.
(2) There was not enough food in the glass container.
(3) There was not enough water in the glass container.
(4) There was not enough space for the mosquito to move around.

5. Which statements about plants are true? (2.5 marks)

A : All plants produce edible fruits.
B : Plants can be found on land and in water.
C : Some plants produce flowers, but others do not.
D : All plants can make their own food.

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

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6. Which of the following groups consists entirely of internal organs?
(2.5 marks)

(1) Heart, brain, arms, hands, and ears
(2) Lungs, stomach, nose, and eyes
(3) Legs, feet, heart, small intestine, and brain
(4) Heart, lungs, stomach, and small intestine

7. Which of the following statements best describes the function of a human organ? (2.5 marks)

(1) The heart digests food.
(2) The arms and hands are used to pick up, hold, and lift objects.
(3) The ears pump blood to different parts of the body.
(4) The eyes are used for smelling and breathing.

8. A plant seed was placed on moist cotton wool and kept in the dark room. Roots developed from the seed after two days. Which factors caused the seed to germinate? (2.5 marks)



(1) Air and optimal temperature only
(2) Light and optimal temperature only
(3) Light and moisture only
(4) Air, moisture and optimal temperature

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9. Which of the following is not matter? (2.5 marks)

(1) Shadow
(2) Sand
(3) Water
(4) Rock

10. The cutting board shown in the diagram below is made from a tree. Why is it a non-living thing? (2.5 marks)

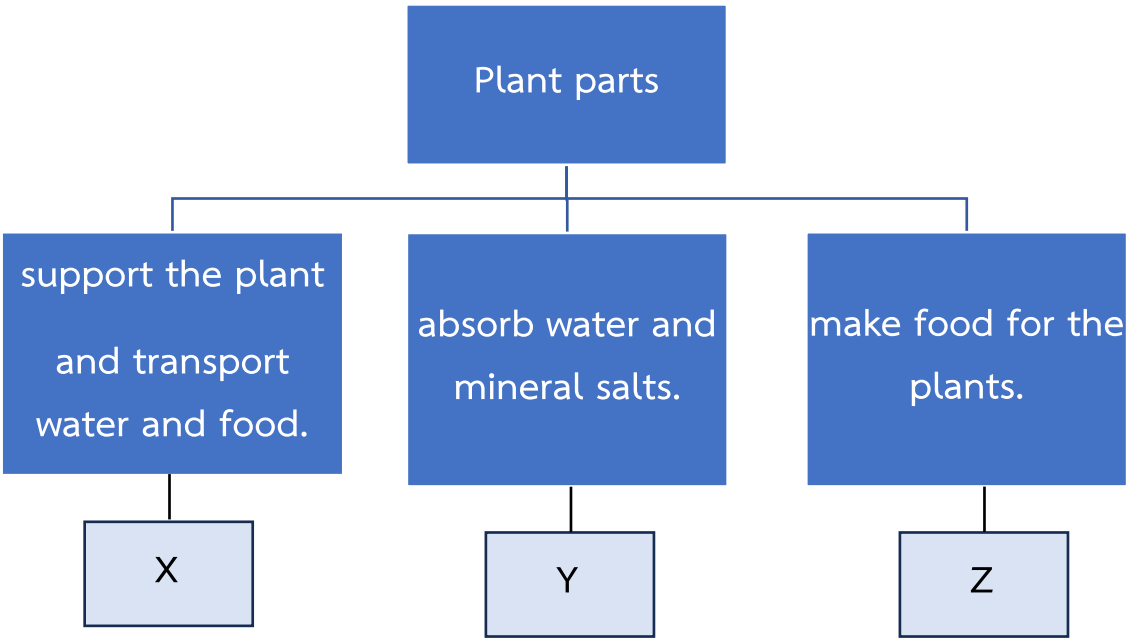


cutting board

(1) It is hard.
(2) It cannot grow.
(3) It is made of wood.
(4) It can move on its own.

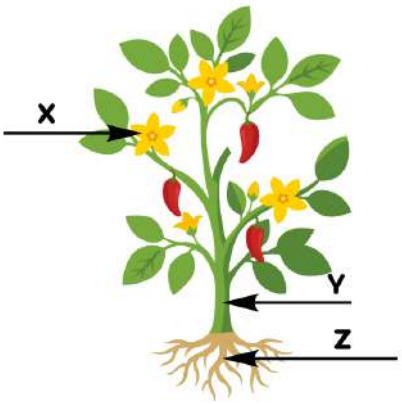
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11. Study the classification chart shown below.

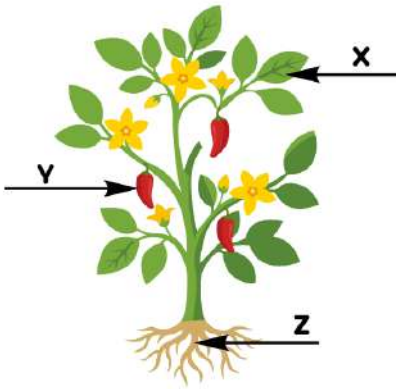


Which of the following correctly describes parts X, Y, and Z? (3.5 marks)

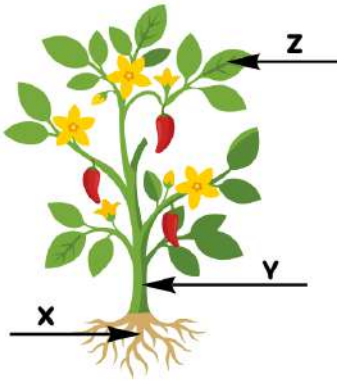
(1)



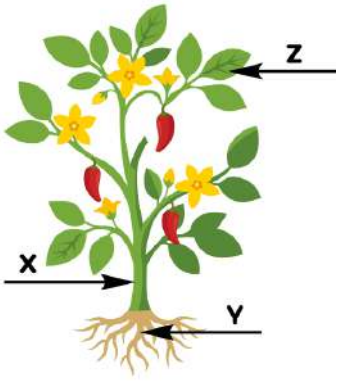
(2)



(3)

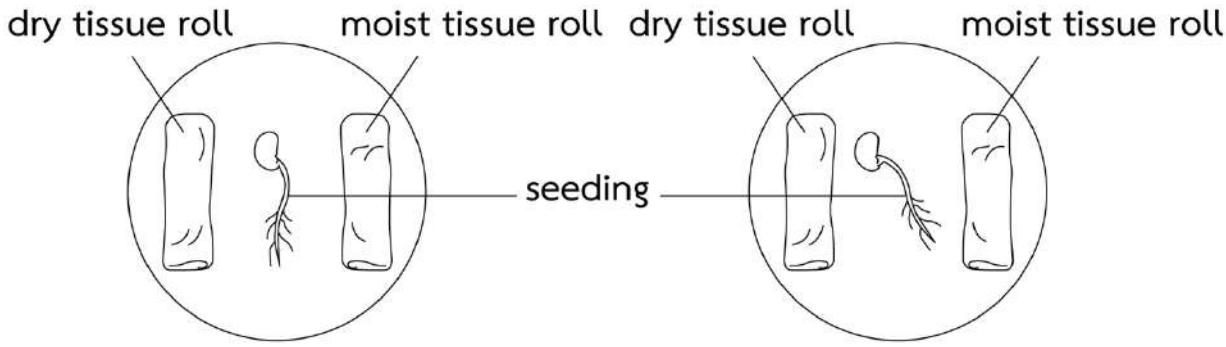


(4)



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12. Study the experiment below.



At the beginning of experiment **At the end of the experiment**

Which of the following is the best conclusion of the experiment? (3.5 marks)

(1) Plant roots can move on their own.

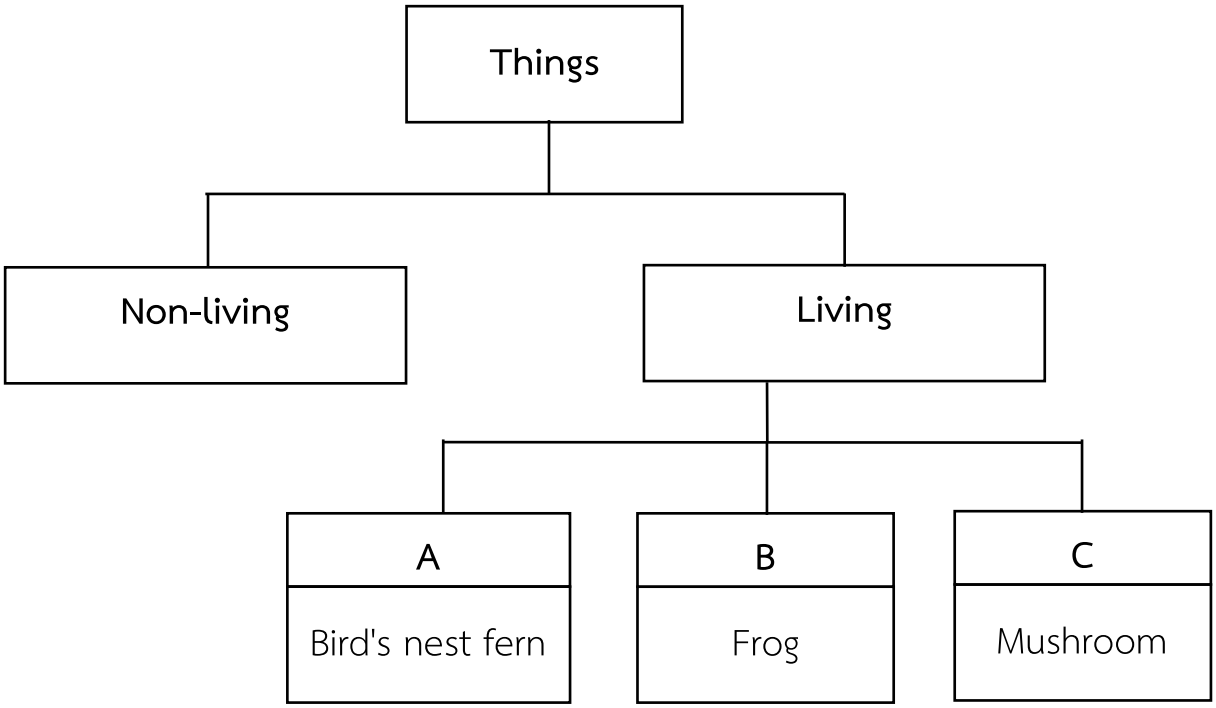
(2) Plant roots grow towards a source of water.

(3) Plant roots move away from water.

(4) Plants need water to survive.

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13. Look at the classification chart below.



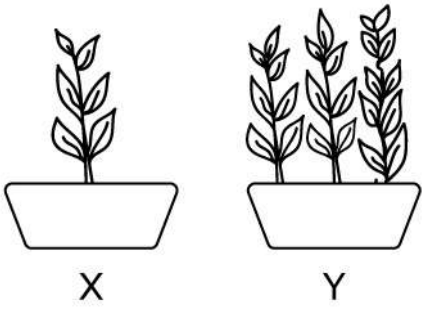
Which of the following correctly represents A, B, and C? (3.5 marks)

	A	B	C
(1)	Animals	Plants	Either plants nor animals
(2)	Plants	Animals	Plants
(3)	Plants	Animals	Either plants nor animals
(4)	Either plants nor animals	Animals	Plants

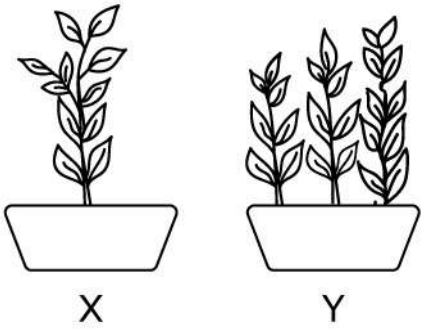
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14. Susan placed two pots, X and Y, containing green plants near a window for one week.

Before



After



Based on the diagrams above, which of the following statements are correct? (3.5 marks)

A : The plant in pot X grows faster than the plants in pot Y.

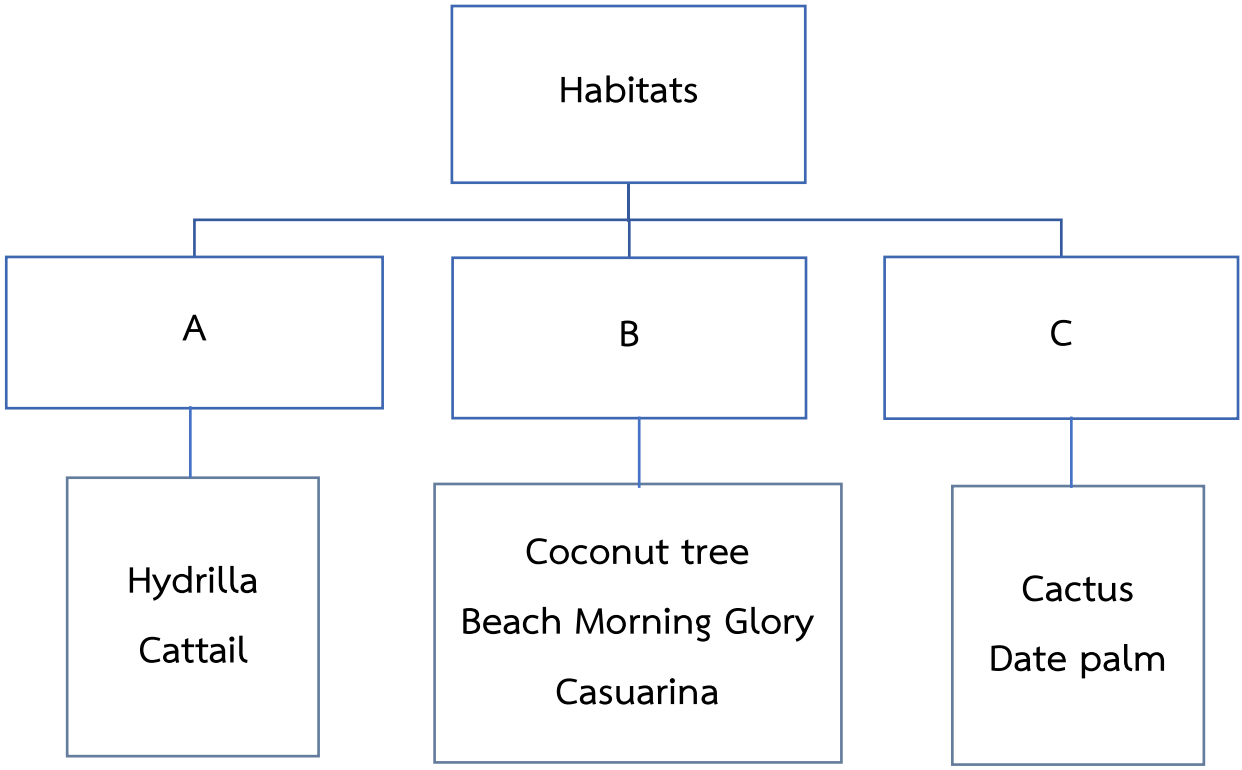
B : The plants in pot Y compete for nutrients and space to grow.

C : The plant in pot X can make its own food, but the plants in pot Y cannot.

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

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15. The plants below are classified according to the habitats in which they are commonly found.



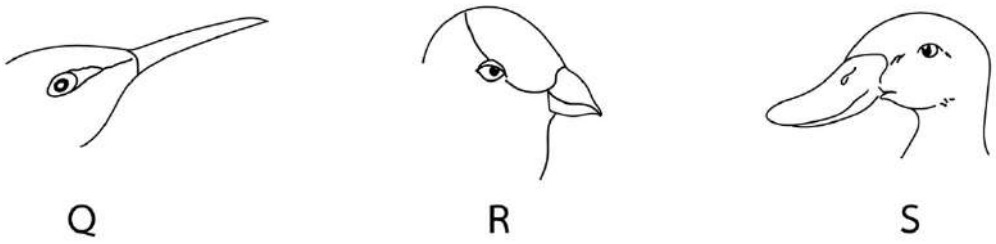
Which row in the table correctly identifies habitats A, B, and C?

(3.5 marks)

	A	B	C
(1)	grassland	roadside	forest
(2)	pond	seashore	desert
(3)	grassland	pond	seashore
(4)	mangrove forest	desert	grassland

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16. Study the beaks of three different birds, Q, R, and S.



Q R S

The shape and size of a bird's beak provide clues about its diet. Which of the following rows best describes the type of food that each bird usually eats?

(3.5 marks)

	Q	R	S
(1)	seeds	fish	flower nectar
(2)	flower nectar	seeds	fish
(3)	seeds	flower nectar	seeds
(4)	fish	flower nectar	seeds

17. Which of the following statements about birds are true?

A : All birds can fly.

B : All birds have beaks.

C : All birds have wings.

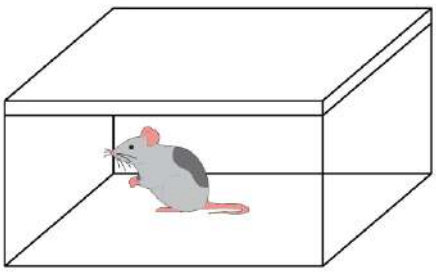
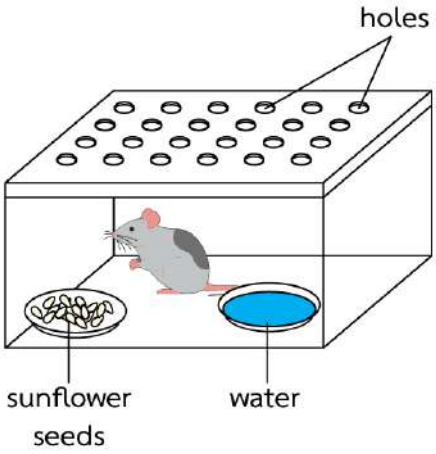
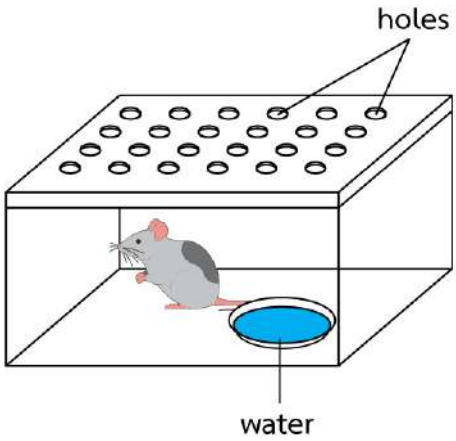
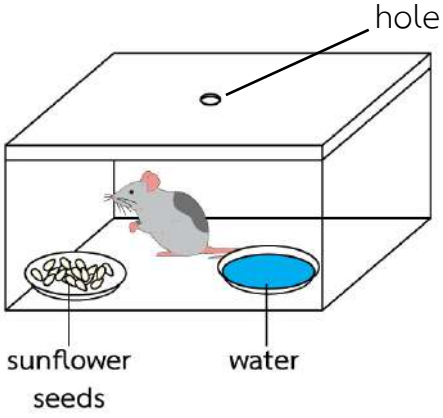
D : All birds have feathers. (body coverings that are long and thin)

(3.5 marks)

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

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18. Four hamsters of the same size and mass were placed in four different containers, as shown in the diagram below.

<table>
<tr><td></td><td>
</td></tr>
<tr><td>A</td><td>B</td></tr>
<tr><td>
</td><td>
</td></tr>
<tr><td>C</td><td>D</td></tr>
</table>

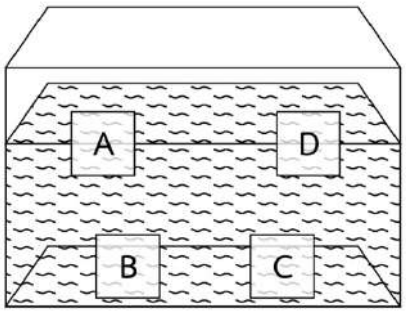
Which hamster is most likely to die first? (3.5 marks)

(1) A (2) B

(3) C (4) D

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19. Four objects, labelled A, B, C, and D, have the same shape and size but are made of different materials. They are placed in a tank of water, as shown in the diagram below.



Which of the following statements is correct? (3.5 marks)

(1) Objects A and C have the same mass.

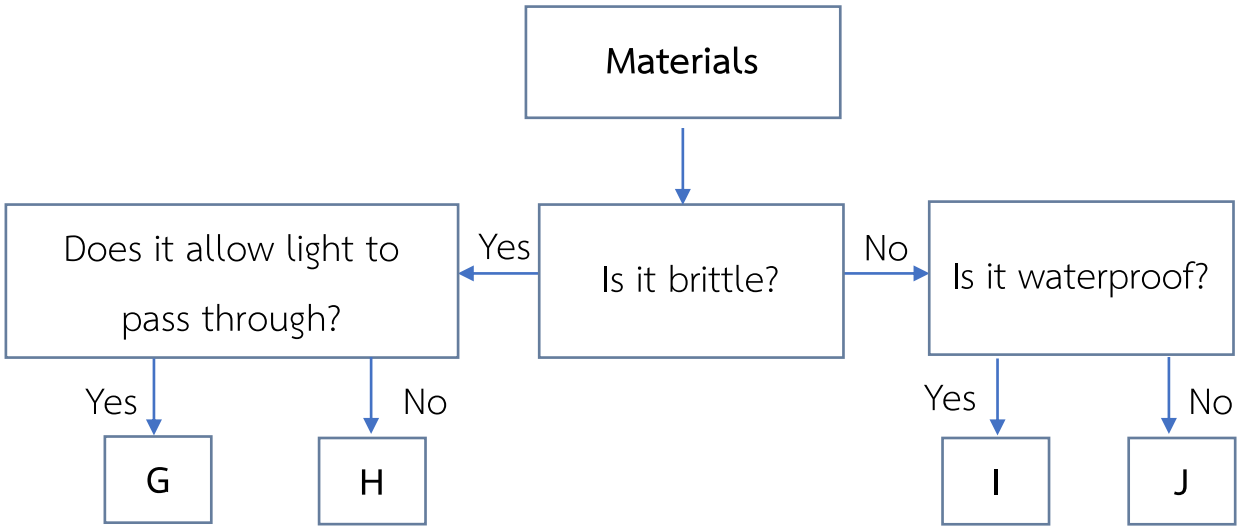
(2) Objects B and C have the same mass.

(3) Objects B and C have less mass than objects A and D.

(4) Objects B and C have greater mass than objects A and D.

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20. The flowchart below shows the properties of four different materials, G, H, I, and J.

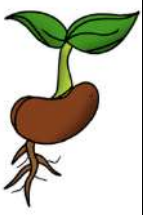
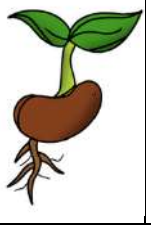
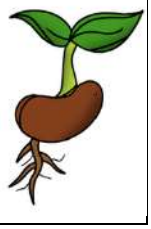


Which of the following correctly identifies which material, G, H, I, and J, is suitable for making each object? (3.5 marks)

	Ceramic vase	Handkerchief	Spectacle lens	Raincoat
(1)	H	I	G	J
(2)	H	J	G	I
(3)	H	J	I	G
(4)	J	H	G	I

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21. On Day 1, Maggie prepared four trays, each containing three seeds.

Set-up	Soil Condition	Type of Soil	Location	Results after 5 days		
A	dry	loam	dark place			
B	wet	loam	dark place			
C	dry	sandy soil	bright place			
D	wet	loam	bright place			

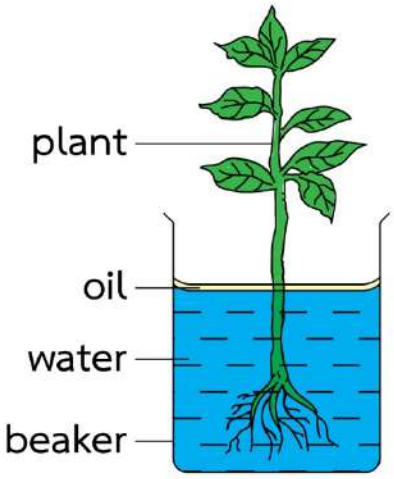
Which two set-ups should Maggie compare to see if water is needed for germination? (4.5 marks)

(1) B and D (2) A and D

(3) B and C (4) A and B

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22. Five similar experimental set-ups, A, B, C, D, and E, were prepared. One of the set-ups is shown in the diagram below.



The leaves in some of the set-ups were coated with oil. At the start of the experiment, each beaker contained 130 mL of water. After three days, the volume of water remaining in each beaker was measured. The results are shown in the table below.

Set-ups	A	B	C	D	E
Final volume of water (mL)	126	75	128	72	80

In which set-ups were the leaves of the plants most likely coated with oil?
(4.5 marks)

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

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23. Jenny was a newborn baby at the beginning of the study. Her mass was recorded over a period of six months. The table below shows how her mass changed during this period.

Month	Mass (kg)
1	3.85
2	4.70
3	5.50
4	6.38
5	7.94
6	9.10

Which of the following conclusions is supported by the information in the table? (4.5 marks)

(1) Jenny is growing too quickly.

(2) Jenny can move and make sounds.

(3) Jenny's mass increases as she grows.

(4) Jenny needs air, water and food to gain mass.

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24. Nene conducted an experiment using the same type and mass of modelling clay. She shaped the clay into four containers of different shapes. First, she checked that all four containers could float on water. She then added marbles of equal mass, one at a time, to each container and recorded the maximum number of marbles each container could hold before sinking. The results are shown in the table below.

Shape	Number of Marbles
A	2
B	7
C	8
D	5

Which conclusion can be drawn from the experiment? (4.5 marks)

(1) The type of modelling clay affects the number of marbles the container can hold.

(2) The shape of the container affects the number of marbles the container can hold.

(3) The mass of the modelling clay affects the number of marbles the container can hold.

(4) Both the type of modelling clay and the shape of the container affect the number of marbles the container can hold.

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25. Carolyn conducted an experiment as shown below. She wanted to find out which material is the strongest.

Step 1 : She used 4 strings, A, B, C, and D, which were made of different materials.

Step 2 : She tied each material to a retort stand.

Step 3 : She kept adding weights until the string broke.

The table below shows the results.

Weight (g)	Material A	Material B	Material C	Material D
10	✗	✓	✓	✓
20	✗	✓	✓	✗
30	✗	✓	✓	✗
40	✗	✗	✓	✗
50	✗	✗	✓	✗

Key : ✗ - String broke ✓ - String did not break

Which materials would be able to hold a weight of 25 g? (4.5 marks)

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

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26. Which of the following activities requires more than one body part to work together? (2.5 marks)

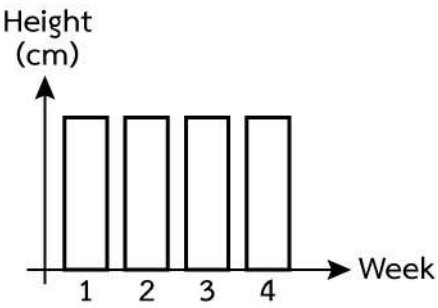
(1) Reading a book
(2) Eating food
(3) Dancing to music
(4) All of the above

27. Which graph correctly shows the height of the doll shown below over time? (3.5 marks)

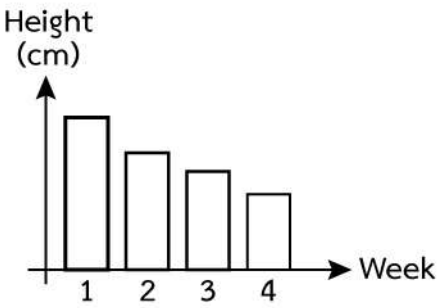


Doll

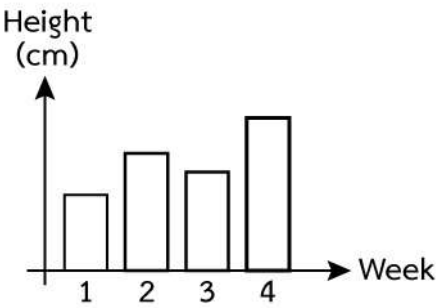
(1)



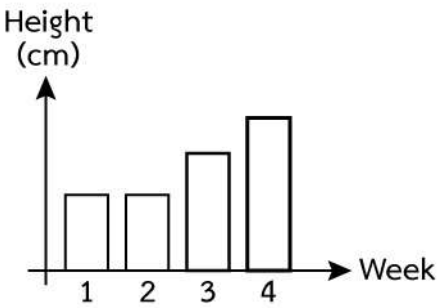
(2)



(3)



(4)



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28. At a restaurant, a waiter was asked to replace a set of porcelain cutlery with a child-friendly set for a toddler.



Which of the following materials was most likely used to make the child-friendly set of cutlery? (3.5 marks)

(1) Glass
(2) Steel
(3) Plastic
(4) Wood

29. Xavier monitored the weather to see how it would affect the number of snails in his garden. He counted the number of snails for five days and recorded his observations in the table below.

Day	Type of weather	Total number of snails
Monday	sunny	5
Tuesday	rainy	10
Wednesday	sunny	4
Thursday	cloudy	8
Friday	rainy	12

What conclusion can be drawn based on his observations? (3.5 marks)

(1) When the weather is hot, more snails are observed.
(2) When the weather is rainy, more snails are observed.
(3) When the weather is cool, fewer snails are observed.
(4) The number of snails observed is not affected by the weather conditions.

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30. The bar graph below shows the maximum weight that four different bags P, Q, R, and S can hold before tearing.



Based on the graph, which of the following statements about the bags is true?
(4.5 marks)

(1) Bag S is more transparent than bag Q.

(2) Bag R is more flexible than bag P.

(3) Bag S is stronger than bag P.

(4) Bag Q is the most flexible.

---------- End of Questions ----------

Please check your answers before submitting the answer sheet.

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Answers Keys : Science Primary - Grade 1

No.	Answers	No.	Answers
1.	2	21.	4
2.	4	22.	1
3.	2	23.	3
4.	4	24.	2
5.	3	25.	2
6.	4	26.	4
7.	2	27.	1
8.	4	28.	3
9.	1	29.	2
10.	2	30.	3
11.	4		
12.	2		
13.	3		
14.	1		
15.	2		
16.	2		
17.	3		
18.	1		
19.	4		
20.	2		

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