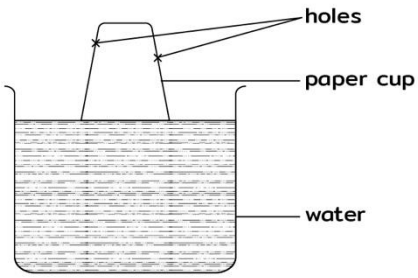
1. Which of the following are sources of light?

A. A burning candle
B. Moon
C. Torch
D. Mirror

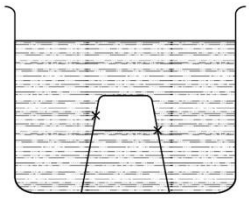
1. C only
2. A and C
3. A, B and C
4. All of the above

2. A cup with two small holes is inverted and pushed into a container of water as shown below.

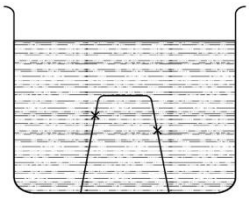


Which observation is correct?

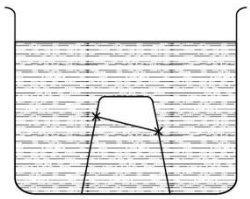
1.



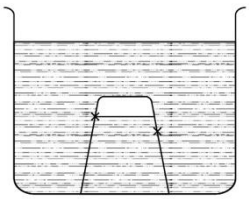
2.



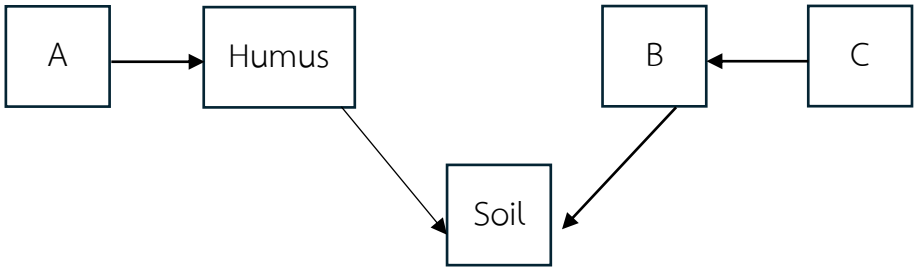
3.



4.

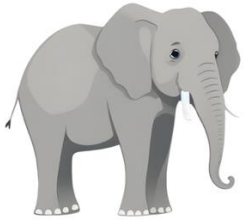


3. From the diagram showing soil formation, which statement A, B, and C is correct?



	A	B	C
1.	Rocks and mineral	inorganic minerals	Plant and animal remains
2.	Organic substances	bacteria	Plant and animal remains
3.	Plant and animal remains	Original objects of soil	Rocks and mineral
4.	Inorganic substances	bacteria	organic substances

4. Study the two groups of things below.

Living things	Non-living things
Turtle 	**Padlock** 
Elephant 	**Tyre** 

Which of the following things need water to survive?

1. Turtle and padlock
2. Elephant and tyre
3. Turtle and elephant
4. Padlock and tyre

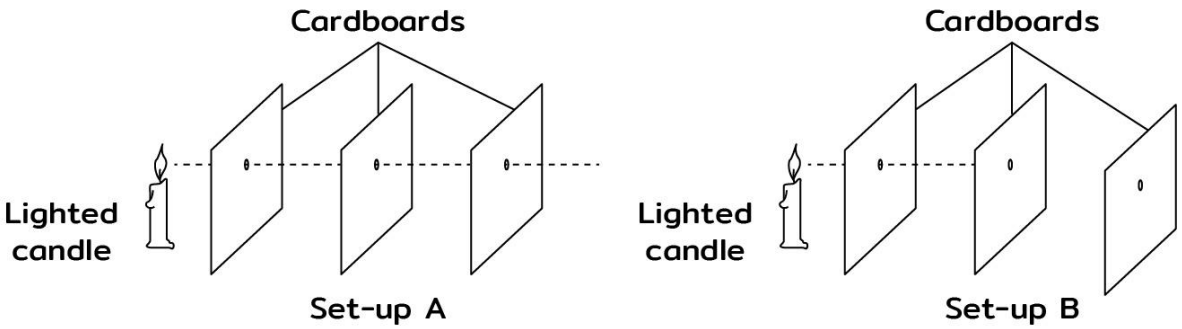
5. Study the diagram below which shows two fruits.



The fruits are dispersed by _____.

1. wind
2. water
3. animal
4. explosive splitting

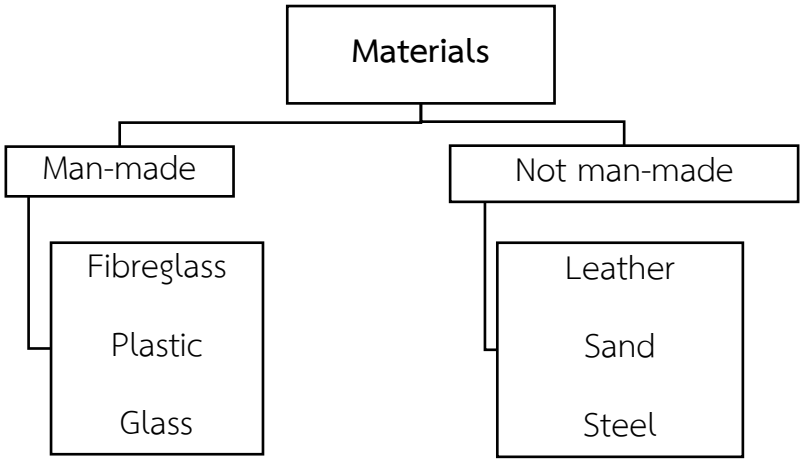
6. Study the following experiment.



Based on the experimental set-up, what is the goal of the experiment?

1. Light can be reflected.
2. Light travels in straight lines.
3. Shadows are formed when light is blocked.
4. The candle and the cardboards have different transparency to light.

7. Study the following classification chart.



Which of the materials has/have been wrongly classified?

1. Sand only
2. Steel only
3. Fibreglass and Steel only
4. Glass and Plastic only

8. Tata placed a toy into different types of containers and observed if he was able to see the toy though each container. He was trying to find out the _____ of the containers.

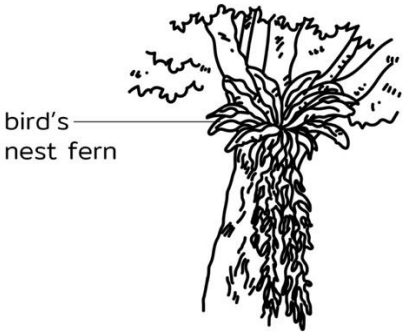
1. absorbency
2. transparency
3. strength
4. flexibility

9. Which of these animals in the table below, have been wrongly classified?

	Animal	Group
A	Turtle	Amphibian
B	Penguin	Bird
C	Sea horse	Mammal
D	Starfish	Fish

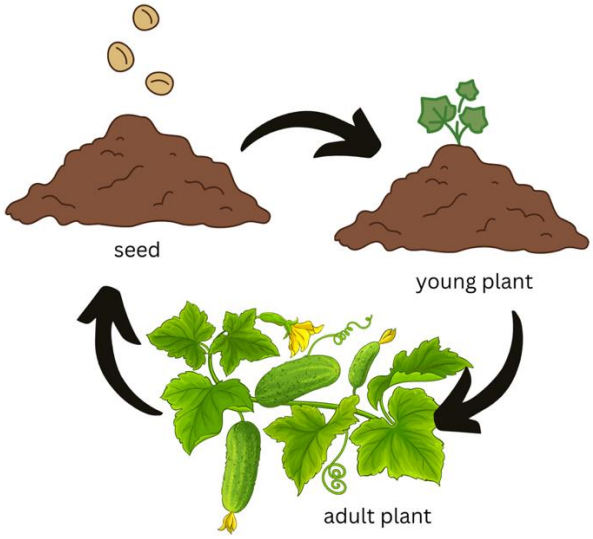
1. A and B
2. B and C
3. A, B and C
4. A, C and D

10. Ferns such as the bird's nest fern grow on tree trunks. How do the ferns obtain food?



1. They are able to make their own food.
2. They obtain food and nutrients from the tree.
3. They take in air and nutrients from the tree.
4. They take in water and food from the tree trunk.

11. The diagram below shows the life cycle of a cucumber plant



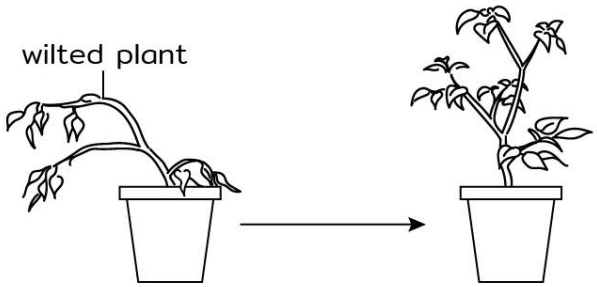
Based on the diagram, which of the following statements about the life cycle of the cucumber plant is false?

1. Every cucumber plant has the same life cycle.
2. The life cycle of the cucumber plant consists of three stages.
3. The cucumber plant in the picture's life cycle makes it possible for generations to come.
4. Sunlight is needed at every stage of the life cycle of the cucumber plant.

12. Which are all the internal organs in the body?

1. Lungs, liver, eyes
2. Heart, brain, stomach
3. Nose, legs, lungs
4. Arms, nose, eyes

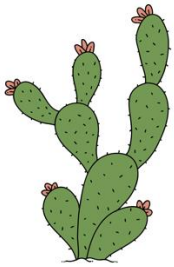
13. One afternoon, Mr. Smart discovered that his plant had wilted. In order for Mr. Smart's plant to be fresh and upright again, what factors do he need to provide?



1. Carbon dioxide
2. Food
3. Sunlight
4. Water

14. Which of the following will die if it does not receive water?

1. Cactus



2. Books



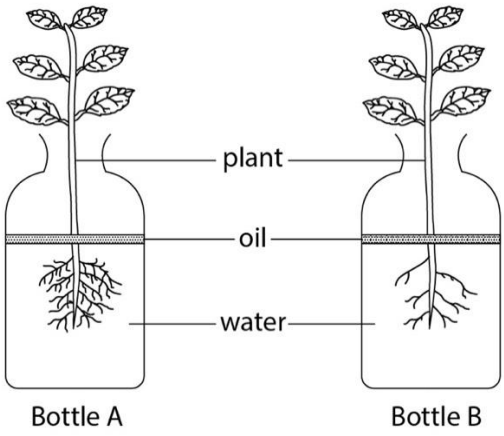
3. Soft drink



4. Car



15. Amy placed two plants with different characteristics in bottles A and B (both bottles are identical). Each bottle was half filled with water. According to the picture below, she also added a layer of oil to each bottle.



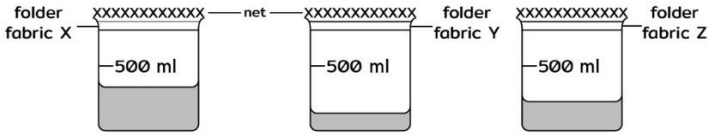
She recorded the initial water level in each bottle. After a period of three days, she remeasured the height of the water level. Recorded readings can be found in the table below.

Bottle	Initial height of water level (cm)	Height of water three days later (cm)
A	15.0	12.0
B	15.0	13.5

What caused the water level in each bottle to change after three days?

1. The roots of the plants absorbed some water.
2. Some water in the bottle evaporated.
3. Plants with roots are able to absorb more water than those without roots.
4. Plants with smaller leaves are able to absorb more water.

16. Three fabrics of the same size are available in different types. Eileen folded them all identically and placed them in containers with a net over them. After that, she poured 500 ml of water onto every type of fabric. The observations are shown in the diagrams below.



Consider the following statement.

A. Fabric X is capable of absorbing the most water.

B. Fabric Y absorbs more water than fabric Z.

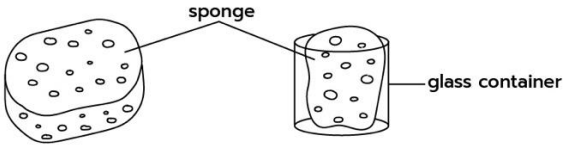
C. Water absorption is different for different fabrics

D. All the three types of fabrics are waterproof.

What is the conclusion of this experiment?

1. A and C only
2. B and C only
3. A, C and D only
4. B, Cand D only

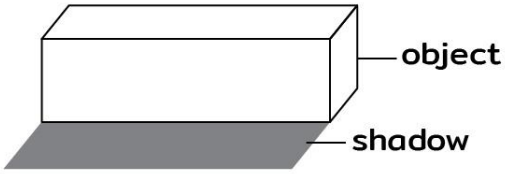
17. Study the diagram below. A sponge is squeezed and placed into a small glass container.



Why can the sponge be squeezed and placed into the container?

1. The sponge is in a state of gas.
2. The air that was trapped inside the sponge has been released.
3. The sponge is a solid that can be compressed.
4. The sponge has no definite volume and shape.

18. Study the diagram and answer the question.



A shadow has no mass and does not occupy space.

B The object allows light to pass through it.

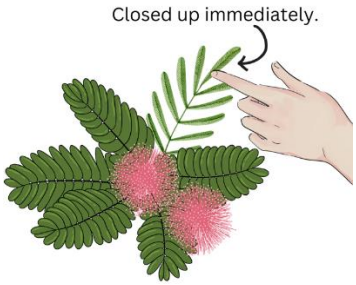
C The object blocks light completely.

D The object blocks light partially.

Which of the following statements is the explanation for the shadows of objects in the picture?

1. A and B only
2. C and D only
3. A, B and D only
4. A, C and D only

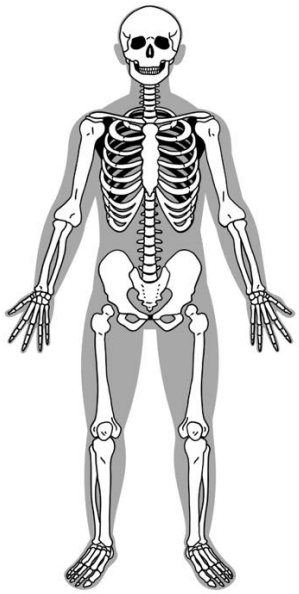
19. Yaya was walking along the grass and accidentally touched a mimosa tree leaf. It came to her attention that the leaves of the mimosa tree were closed.



Which statement accurately describes the relationship between these events?

1. The mimosa plant is a non-poisonous plant.
2. The mimosa plant is able to make its own food.
3. The mimosa plant responds to being touched.
4. The mimosa plant unresponsive to sunlight.

20. How does the human body system shown in the picture illustrate its importance?



A. It helps to maintain the body's shape.

B. It protects some organs in the body.

C. It carries oxygen and water to all parts of our body.

D. Collaborates with the muscular system to enable movement in specific body parts.

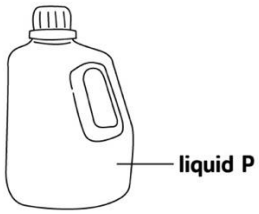
1. B and C only
2. B and D only
3. A, B and D only
4. A, B, C and D

21. What are the functions of the roots of a plant?

A. Absorb of water and nutrients from the soil.
B. Prevent damage to the stems of plants.
C. Store food for the plant' need.
D. Support the branches and leaves of the plant
E. Hold the plant firmly in the ground

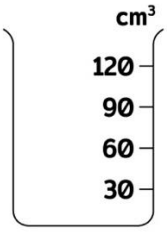
1. A, B and C
2. A, C and E
3. C, D and E
4. A, C, D and E

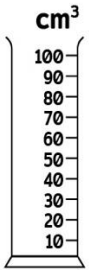
22. In the experiment, liquid P that has a volume of 50 cm^3 is required.

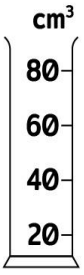


Which instrument is the most accurate in measuring the volume of a 50 cm^3 liquid P?

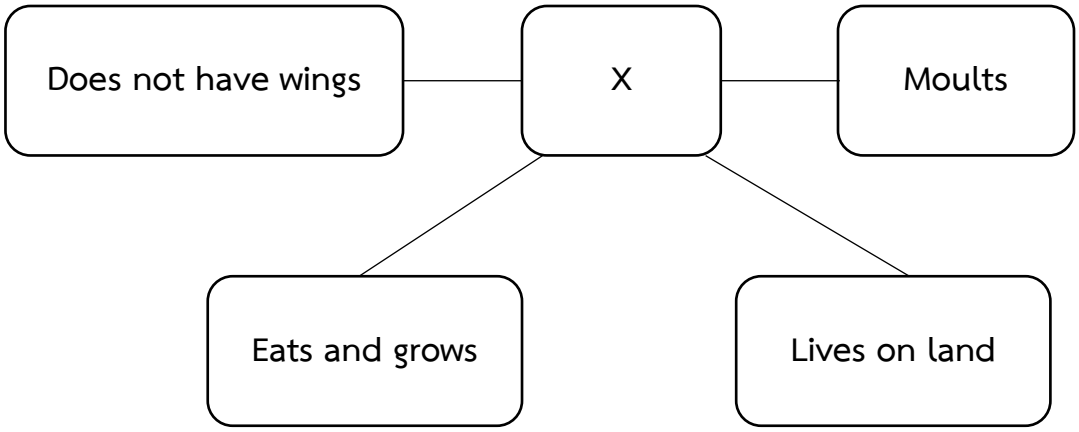
1.


2.


3.


4.


23. Study the chart below.



Consider the following properties.

A. The nymph of a grasshopper
B. The nymph of a cockroach
C. The larva of a mosquito
D. The pupa of a butterfly

What animal's life period can X be?

1. A and B only
2. C and D only
3. A, B and C only
4. A, B and D only

24. Mr. Tan documented all the plants found in his garden in a table that is shown below.

Flowering		Non-flowering	
Type of plants	**Number of plants**	**Type of plants**	**Number of plants**
Rose	10	Bird's nest fern	5
Orchid	22	Stag's horn fern	2
Sunflower	5		
Ixora	15		

Which one of the following questions cannot be answered according to the information from the table?

1. What are the colours of the flowers in Mr Tan's garden?
2. What are the non-flowering plants in Mr Tan's garden?
3. How many plants in total are there in Mr Tan's garden?
4. How many more rose plants than sunflower plants are there in Mr Tan's garden?

25. The diagram below shows a water hyacinth plant and its parts, A, B, C and D.



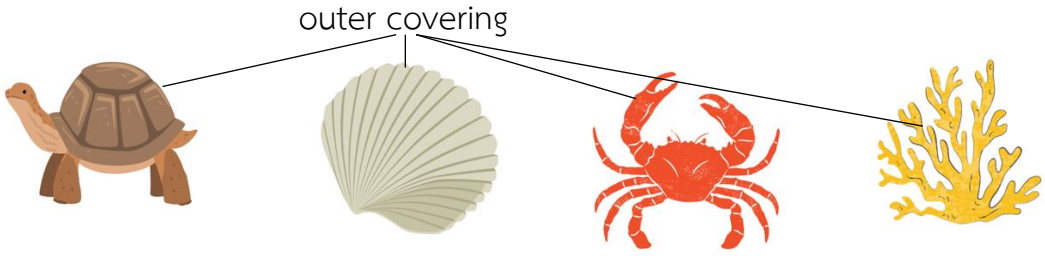
Elsa has stated the functions of the parts as shown below.

Part	Function
A	Helps in reproduction
B	Traps light to make food
C	Helps the plant to float on water
D	Holds the plant firmly to the soil

The function of part has been wrongly stated. Which statement is incorrect?

1. A only
2. C only
3. D only
4. A and D only

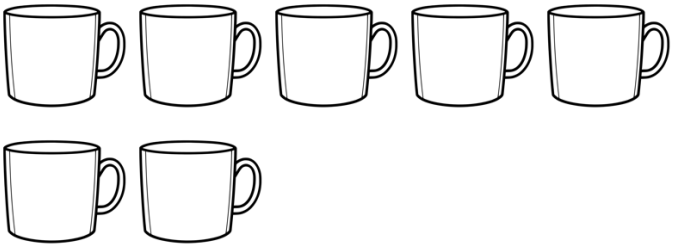
26. Study the outer covering of some animals shown below.



Which of the following are functions of the outer coverings shown above?

1. Their role is to keep the animals warm.
2. They help the animals hide from their enemies.
3. They help to protect the soft bodies of the animals.
4. They support the animals' ability to fly.

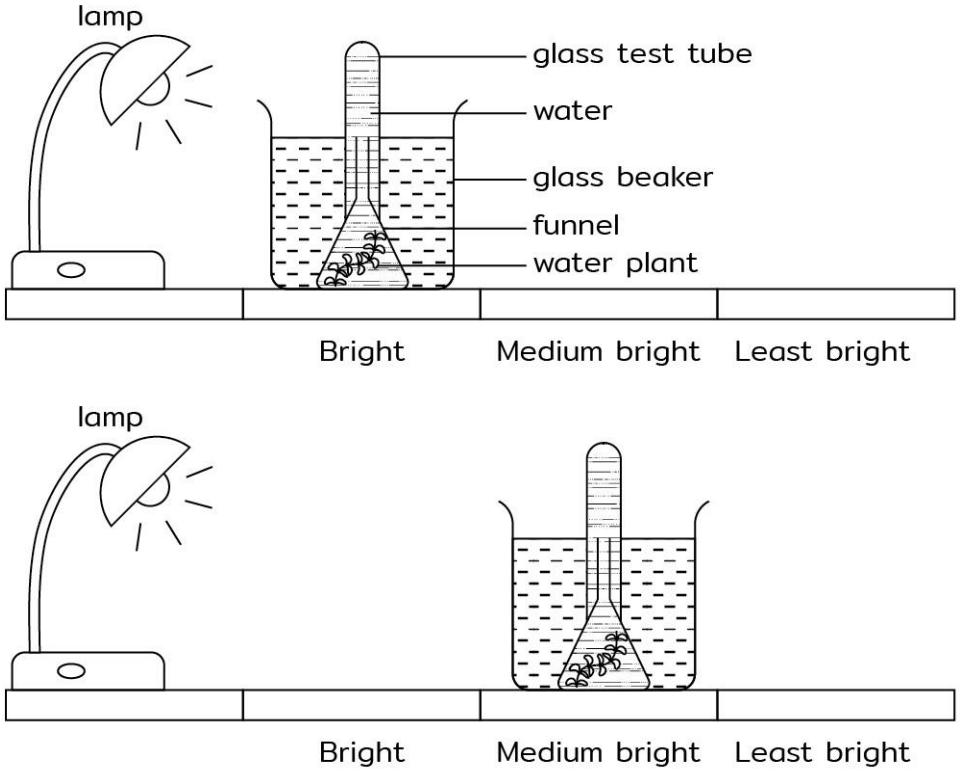
27. The picture below illustrates how long it took for warm water to cool down to room temperature. Four glasses made from various materials were used for the experiment.

Type of mug	Time taken
Stainless steel	
Porcelain	
Plastic	
Glass	
Each mug is held for 3 minutes	

Which type of mug allows the warm water to room temperature fastest?

1. Stainless steel
2. Porcelain
3. Plastic
4. Glass

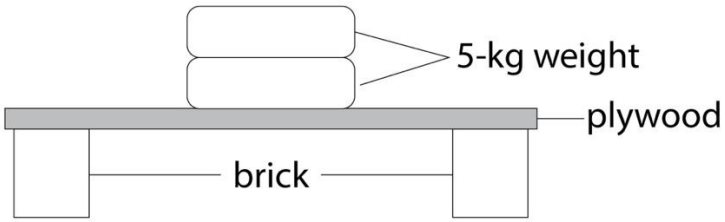
28. As shown below, Ao set up an experiment. She divided her table into three sections according to its brightness. In two sections of the table, she placed some water plants. After a while, glass test tubes were collected with oxygen.



Which of the following is the most appropriate method for questioning Ao's experiment?

1. Do water plants need oxygen to make food?
2. Do water plants need water to produce oxygen?
3. Do water plants produce oxygen if there is no light?
4. Do water plants produce more oxygen in brighter light?

29. Ken carried out an experiment to investigate four different types of plywood, K, L, M and N.



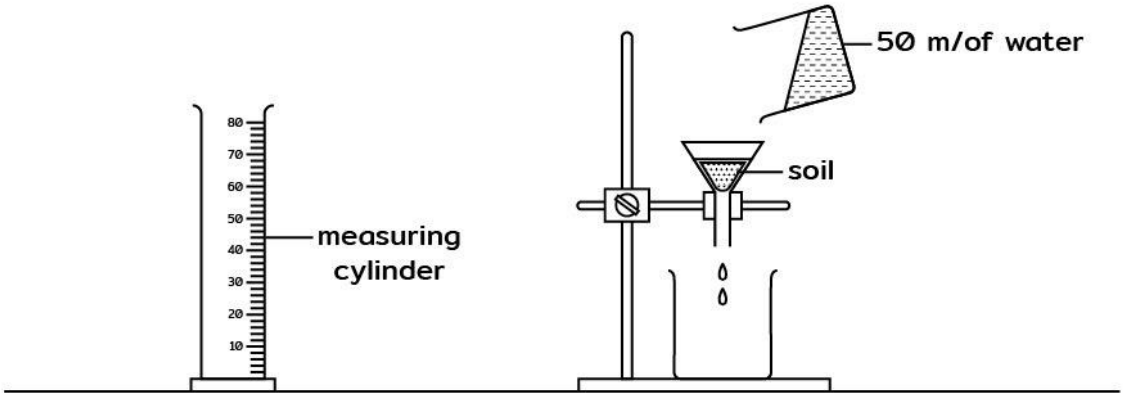
He placed 5-kg weights on each plywood until it broke. He recorded the results in the table below.

Plywood	Number of 5-kg weights required to break the plywood
K	12
L	8
M	18
N	14

What conclusion could Ken make?

1. Plywood L is more flexible than plywood N.
2. Plywood M is stronger than plywood N.
3. Plywood K is heavier than plywood L.
4. Plywood N can float on water.

30. Jolene conducted an experiment with four different types of soil. She placed an equal amount of soil into a funnel and poured an equal amount of water onto each soil. As shown below, she used a measuring cylinder to measure the amount of water collected.



The amount of water collected from each soil was recorded in the table below.

Soil	Amount of water collected (ml)
C	35
D	22
E	18
F	41

Which of the soils above is suitable for growing rice plants?

1. Soil C
2. Soil D
3. Soil E
4. Soil F

31. Ray can see a ball on the pavement because _____.

    1. the ball receives the light from his eyes
    2. the ball gives off light
    3. the ball is brightened by the sunlight
    4. the ball reflects the sun's light into his eyes

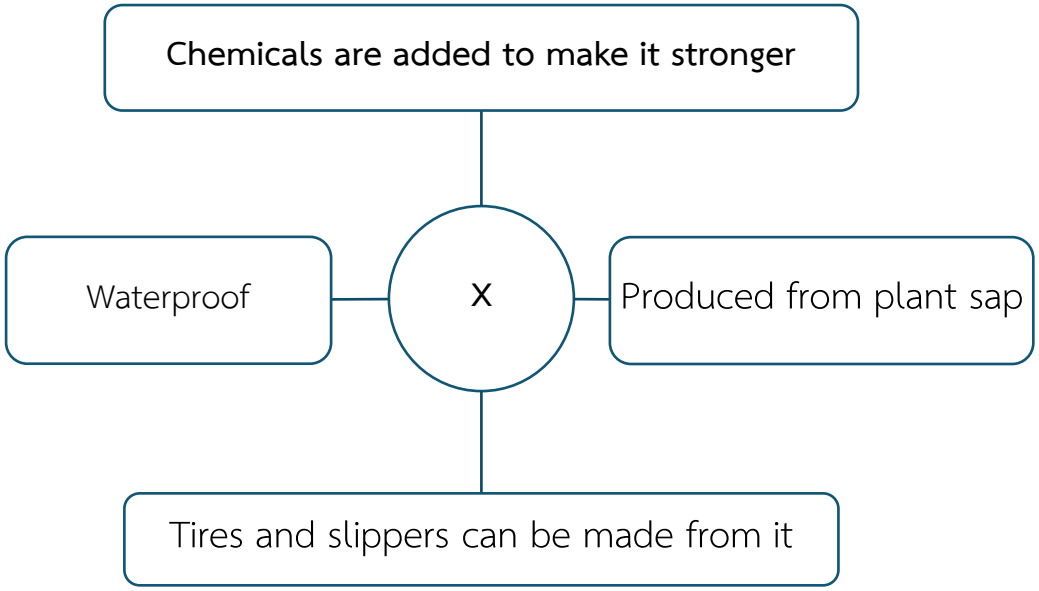
32. Study the two groups of things below.

Living things	Non-living things
 butterfly	 guitar
 tree	 piano

Which one of the following statements is true?

    1. The butterfly needs air to survive.
    2. The tree does not need food to stay alive.
    3. The guitar has the ability to react to changes in its environment.
    4. The piano can move by itself from place to place.

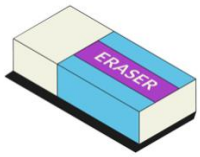
33. The chart below describes material X.



Which of the following objects can be made from material X?

1. 
Cooking pot

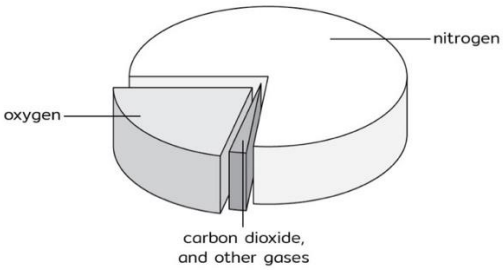
2. 
Pen

3. 

Eraser

4. 
Towel

34. Look at the pie chart below. The amount of different gases present in the air is represented by each section.

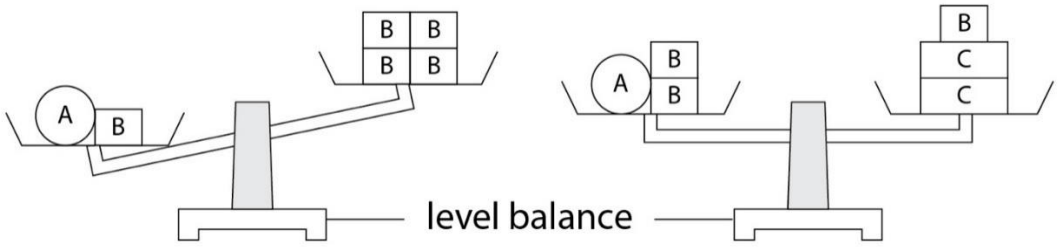


Which one of the following statements is true?

A. The composition of air consists of three gases.
B. There is more oxygen than carbon dioxide in the air.
C. Most of the air is made up of nitrogen.
D. Besides nitrogen, the other gases make up less than 25% of the air.

1. A only
2. B and C only
3. B ,C and D
4. A ,B ,C and D

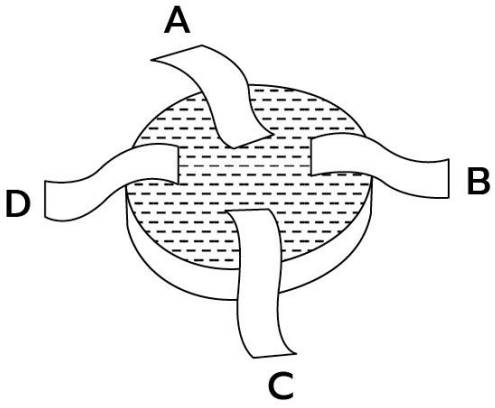
35. Daniel wanted to compare the mass of some objects. He uses a lever balance in his experiment. The observations can be seen in the diagram below.



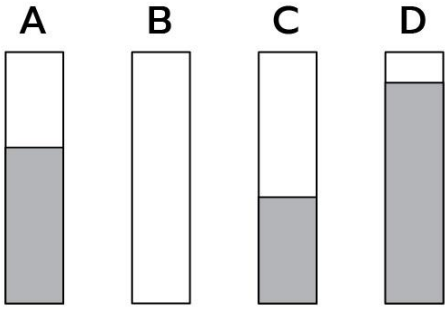
According to the observations, which object has the greatest mass?

1. A
2. B
3. C
4. Not possible to tell

36. Cha dipped four pieces of different materials A, B, C and D into a dish filled with coloured water as shown below.

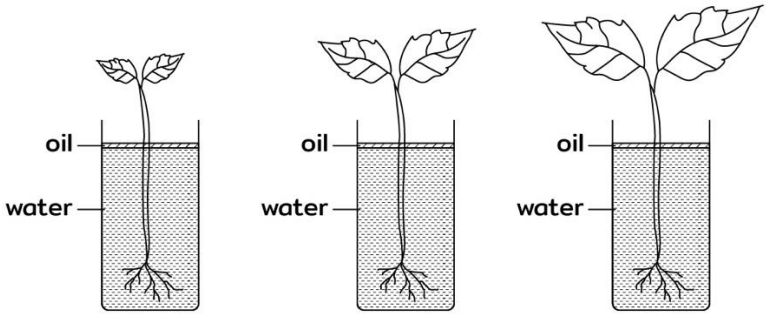


The diagram below shows the amount of water absorbed by each strip of material after one minute. Are there any materials that could be used to make a raincoat?



1. materials A
2. materials B
3. materials C
4. materials D

37. The diagrams below display three containers, A, B, and C. Each jar contained a plant and the same amount of oil and water at the start of the experiment. The jars were prepared at the same time and placed at the same place. After two days, the jars were observed.



Jar A Jar B Jar C

The order of the amount of water left in the jars at the end of the experiment from the least to the most is jar C, jar B and jar A. Which of the following is the most appropriate explanation for this order?

1. Plants with larger leaves are able to absorb more water.
2. Plants with smaller leaves are able to absorb more water.
3. Plants that have roots absorb more water than those without roots.
4. Plants transport water from the roots to the leaves by tiny tubes in the stems.

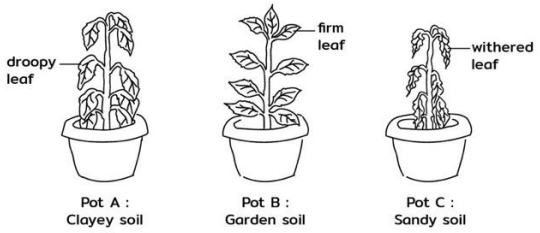
38. Four items, A, B, C and D, were buried in the soil for a month. The table below shows the mass of the items before and after they were buried.

Items	Before (g)	After (g)
A	10	7
B	15	15
C	25	5
D	35	20

The non-biodegradable item is _____ .

1. A
2. B
3. C
4. D

39. Josephine experimented by planting balsam plants in three different soil types. She used pots of similar size and watered them with the same amount of water every day for four weeks. She observed the outcomes of every pot of plant as demonstrated below.



What conclusion can Josephine make from the experiment above?

1. The clayey soil in pot A is more suitable to grow balsam plant than the garden soil in pot B.
2. The garden soil in pot B is the most suitable for growing balsam plant.
3. Pot C has an excessive amount of water in its soil.
4. Pot A has a shortage of water in its soil.

40. At a traffic light, a car stopped behind Larry's car. The car plate number was displayed

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How would Larry see the car's license plate number through his rear view mirror?

1.



2.



3.



4.



คำตอบวิชาวิทยาศาสตร์ ชั้นประถมศึกษาปีที่ 3

ข้อ	คำตอบ	ข้อ	คำตอบ
1	2	21	2
2	4	22	3
3	3	23	1
4	3	24	1
5	1	25	3
6	2	26	3
7	2	27	1
8	2	28	4
9	4	29	2
10	1	30	3
11	4	31	4
12	2	32	1
13	4	33	3
14	1	34	3
15	1	35	1
16	2	36	2
17	2	37	1
18	2	38	2
19	3	39	2
20	3	40	1