

1. Which one of the following statements shows that a metal bar is **not** a magnet?
 - A. Both ends of the metal bar are attracted by the south pole of a magnet.
 - B. The metal bar attracts 5 paperclips.
 - C. The metal bar repels a small button magnet.
 - D. The freely hung metal bar rests in a north-south direction
2. Which of the following statements is **incorrect**?
 - A. The roots help to hold the plant.
 - B. The roots hold up the leaf.
 - C. The roots take in water and minerals.
 - D. There are two main types of roots.
3. Aliy conducted an experiment about light. He observed the shadow cast by Ruler 1 and Ruler 2 as shown in Figure 11.

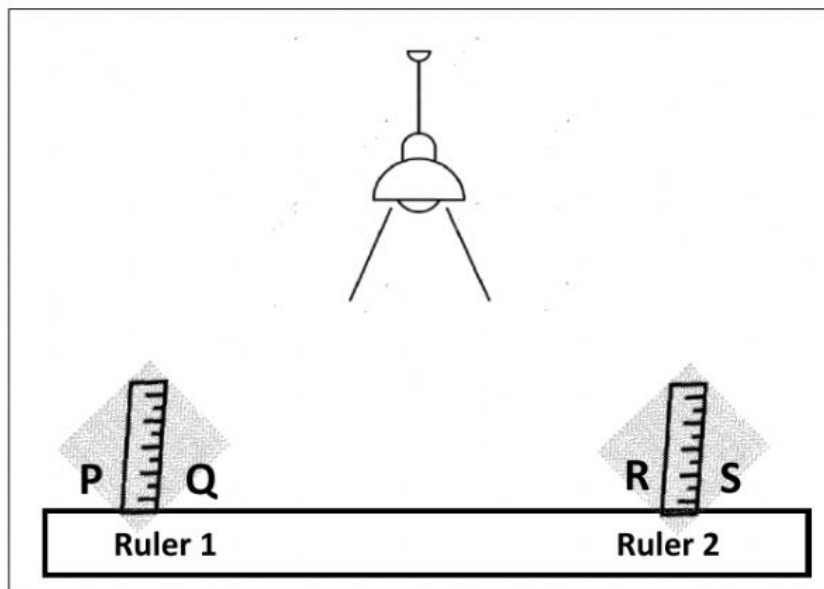
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Figure 11

Which one of the following correctly describes the shadow cast by the ruler at each position?

	Ruler 1	Ruler 2
A.	P	R
B.	P	S
C.	Q	R
D.	Q	S

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4. Which of the following is a clean source of energy?
 - A. Coal.
 - B. Gas.
 - C. Oil.
 - D. Wind.

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5. Syafiq set up an experiment and recorded his findings in Table 2 below.

Stay on top of the water	Fall to the bottom of the water
Pencil	Key
Toothpick	Marble
Pingpong ball	Nail

Table 2

Which of the property of materials can be used to represent Syafiq's findings?

- A. Float and flexible.
 B. Float and sink.
 C. Hard and soft.
 D. Soft and sink.
6. The three states of water are shown by numbers 1, 2 and 3 in Figure 12. What do the numbers 1, 2 and 3 represent?

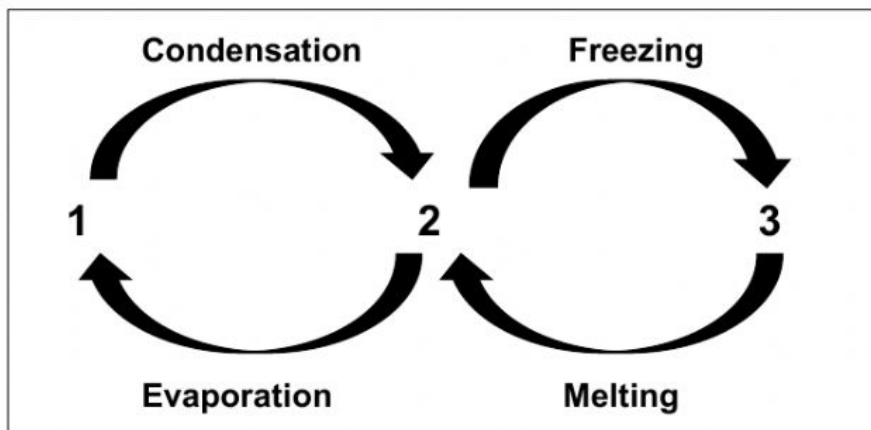


Figure 12

	1	2	3
A.	Gas	Liquid	Solid
B.	Gas	Solid	Liquid
C.	Solid	Liquid	Gas
D.	Liquid	Solid	Gas

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7. Why do we need to use disinfectants to clean floors, bathrooms and toilets?

- A. Disinfectants can kill animals that spread diseases.
 B. Disinfectants can kill germs that cause diseases.
 C. Disinfectants make the floors smooth and shiny.
 D. Disinfectants protect the tiles from damage.

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8. In a game of push ball, Amir and Hafiz are pushing the cart as shown in Figure 13. Hafiz pushes with a greater force than Amir.

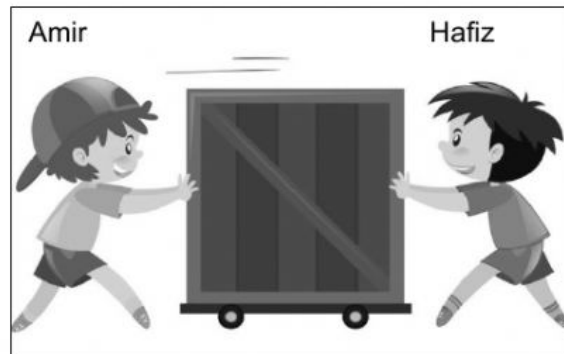


Figure 13

Which of the following statements is true?

- A. The cart moves quickly towards Hafiz.
- B. The cart moves towards Amir.
- C. The cart moves slowly towards Hafiz.
- D. The cart stops moving.

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9. During a thunderstorm, you see the lightning before you hear the thunder. This is because _____.

- A. light travels in a straight line
- B. light travels faster than sound
- C. sound travels a longer distance than light
- D. sound and light travel at the same speed

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10. Which of the following actions may allow the spread of diseases through physical contact?

- A. Buying drinks from a dirty hawker stall.
- B. Leaving your food uncovered from flies and rats.
- C. Sharing the towel of an infected person.
- D. Standing beside an infected person who keeps coughing.

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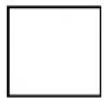
11. Figure 14 shows sets of magnets. Which sets of magnets will **repel** each other?

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Figure 14

- A. Set A and Set B.
- B. Set A and Set C.
- C. Set B and Set C.
- D. Set C and Set D.

12. Which part of the mushroom produces spores?



13. Which of the following shows the correct stages of how a flower becomes a fruit?

- A. flower bud → flower → flower petals drop → young fruit → fully grown fruit
- B. flower → flower → flower bud → young fruit → fully grown fruit
- C. flower bud → young fruit → flower petals drop → flower → fully grown fruit
- D. young fruit → flower bud → flower petals drop → flower → fully grown fruit

14. Figure 15 shows a man pushing his bicycle up a hill. Where does he get the energy to push his bicycle?



Figure 15

- A. From the bicycle he is pushing.
- B. From the exercise he did earlier.
- C. From the food he has eaten.
- D. From the ground he is walking on.



15. Harraz flicked a ruler on the edge of the table as shown in Figure 16.

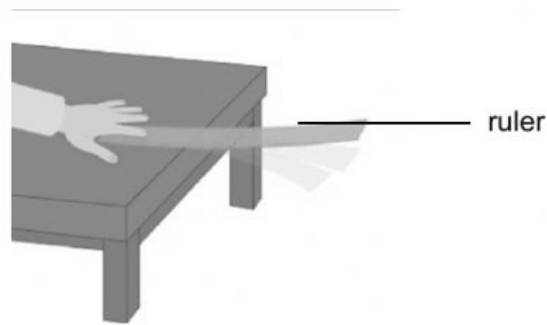


Figure 16

Which of the following statement **best** describes his experiment?

- A. Sound becomes louder as the ruler is left vibrating.
- B. Sound can only travel through solids and gases.
- C. Sound is produced by the vibration of his hand.
- D. Sound is produced by the vibration of the ruler.

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16. Figure 17 shows a stage in the life cycle of the mosquito.

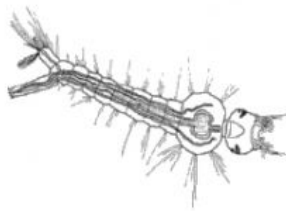
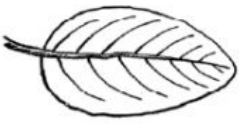
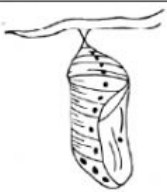
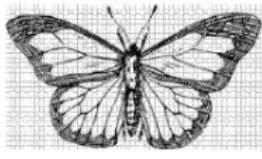



Figure 17

Which one of the pictures below shows the similar stage of Figure 17.

	
A	B
	
C	D

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17. Asyraf builds a fire near his camping tent by rubbing two wooden sticks together as shown in Figure 18.



Figure 18

Which type of force is used in Figure 18?

- A. Elastic.
 - B. Friction.
 - C. Gravity.
 - D. Magnetic.
18. Diana did an experiment on light and shadow. She used a torch, a screen and two objects X and Y as shown in Figure 19.

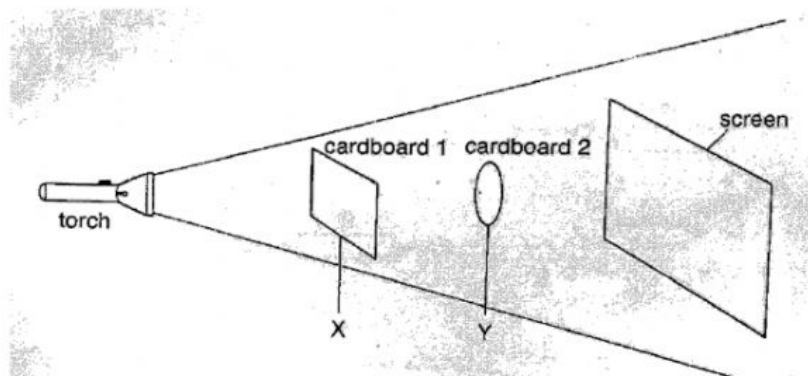


Figure 19

Which of the following correctly shows the shadow on the screen?

A	B	C	D



19. Which of the following actions can prevent the spread of disease by the animal in Figure 20?



Figure 20

- A. Always cover your food with a food cover.
- B. Empty out or overturn any water containers around your home.
- C. Take a shower or bath in the morning and at night.
- D. Wash your hand regularly.



20. Ahmad wants to do an experiment on light. He takes out a torch, a card with a slit, a prism and a screen as shown in Figure 21a. Then, he sets up the experiment in Figure 21b.

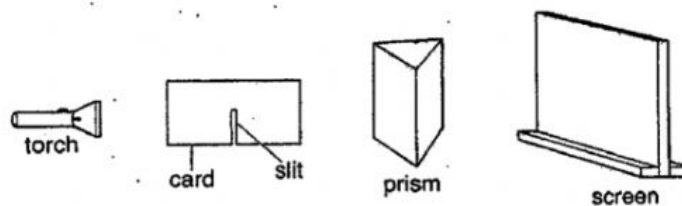


Figure 21a



Setting up the experiment

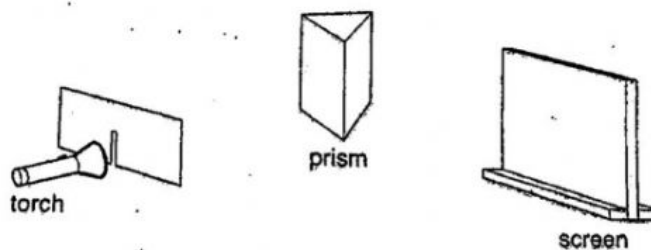


Figure 21b

Look at the **Figure 21b**. What is this experiment about?

- A. To test if light can be blocked by the prism.
- B. To test if light can be split into different colours.
- C. To test if light travels in a straight line.
- D. To test if light travels in one direction only.

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21. Bazli found two different types of fruits, **Fruit X** and **Fruit Y**, in his garden. He opened each fruit and wrote down what he observed in Table 3.

Fruit X	Fruit Y
Fruit wall is soft and fleshy.	Fruit wall is hard and dry.
Has only one seed.	Has many seeds.
Can be eaten.	Cannot be eaten.

Table 3

Which of the following statements match Bazli's observation in Table 3 **correctly**?

- A. **Fruit X** is dry, one-seeded and inedible.
- B. **Fruit X** is fleshy, multi-seeded and inedible.
- C. **Fruit Y** is dry, multi-seeded and inedible.
- D. **Fruit Y** is fleshy, multi-seeded and inedible.

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