

1. Hamizah put in a teaspoon of sugar into her cup of tea. After she stirred her cup of tea, the sugar disappeared. What property of sugar did Hamizah observe?

- A. Sugar is flexible.
- B. Sugar is hard.
- C. Sugar is sinking.
- D. Sugar is soluble.

2. 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

3. 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

4. Most pot handles are made of plastics. This is because \_\_\_\_\_.

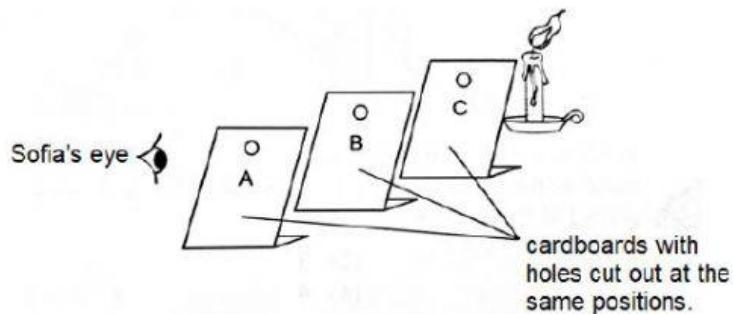


- A. Plastics do not change colour easily
- B. Plastics are soft and easy to shape
- C. Plastics are hard and strong
- D. Plastics do not allow heat to pass through easily

5. All of the following objects have stored energy except \_\_\_\_\_.

- A. A carpet
- B. A stretched spring
- C. Dry cells (Batteries)
- D. Food

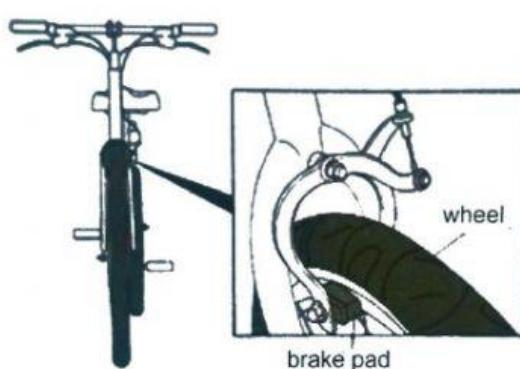
6. Sofia wanted to demonstrate one of the properties of light. She set up an experiment as shown below.



When the cardboards A, B and C, were placed in line, Sofia could see the candle flame. However, when she moved cardboard B slightly towards the right, she observed that she could not see the candle flame anymore.

Which property of light could she conclude from the experiment done above?

- A. Light travels in a straight line
  - B. Light can pass through cardboards
  - C. Light is reflected from the candle flame
  - D. Light is absorbed by the candle flame
7. When a cyclist brakes, the brake pads will squeeze the sides of the wheels as shown in the diagram below.



Which statement **best** describes how the movement of a bicycle changes when a person brakes? The bicycle \_\_\_\_\_.

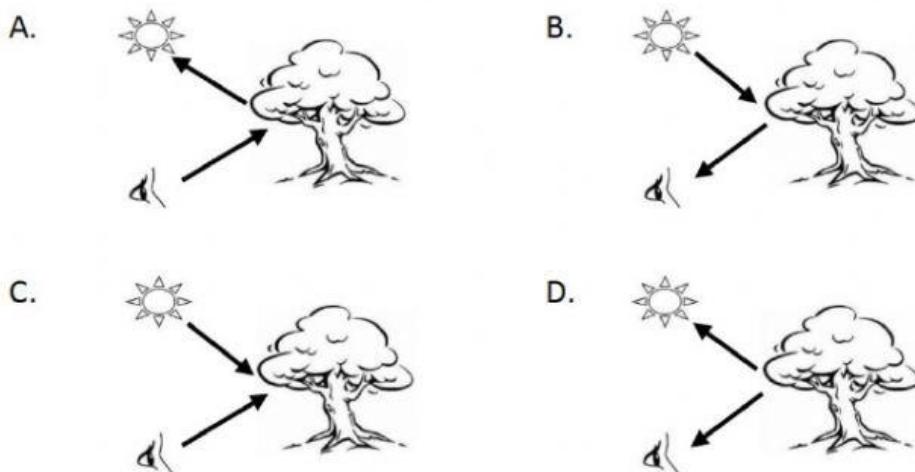
- A. Speeds up because of the frictional force between the brake pad and the wheel
  - B. Speeds up because of the gravitational force between the brake pad and the wheel
  - C. Slows down because of the frictional force between the brake pad and the wheel
  - D. Slows down because of the magnetic force between the brake pad and the wheel
8. Aryanna says, "It is so easy to bend the rubber spoon but very difficult to bend the metal spoon." Which property of material is she comparing?
- A. Ability to float
  - B. Flexibility
  - C. Hardness
  - D. Transparency to light
9. Asyraf builds a fire near his camping tent by rubbing two wooden sticks together as shown below.



Which type of force is used in Figure above?

- A. Elastic.
- B. Friction.
- C. Gravity.
- D. Magnetic.

10. Which of the following diagram shows how we can see the tree?



11. Our main source of heat energy is \_\_\_\_\_.

- A. Burning candle
- B. Fire
- C. Sun
- D. Flashlight

12. A clear glass window is an example of a \_\_\_\_\_ object.

- A. opaque.
- B. translucent.
- C. luminous.
- D. transparent.

13. A boy swimming in the pool knocks two metal rods in the water. He can hear the sound because \_\_\_\_\_

- A. sound can travel through air.
- B. sound can travel through solid.
- C. sound can travel through liquid.
- D. sound can travel through vacuum

14. \_\_\_\_\_ means how a material looks or feel to the touch.

- A. Texture
- B. Magnet
- C. Sense
- D. Shape

15. Figure below shows grooves on the badminton shoe sole.



What is the purpose of the grooves?

- A. To increase friction.
- B. To produce more heat.
- C. To make it slide easily.
- D. To make the shoe more beautiful.

16. Figure below shows Aiman is playing his guitar. What form of energy is produced?



- A. Heat energy
- B. Light energy
- C. Sound energy
- D. Stored energy

17. Shadows are formed when the path of light is \_\_\_\_\_.

- A. blocked
- B. bounced
- C. reflected
- D. mirrored

18. Which of the following best describes how force can change the shape of an object?

A.



B.



C.

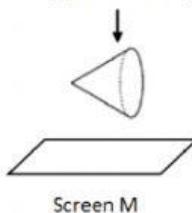


D.



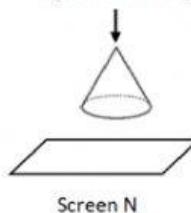
19. Study the diagram shown below. The cones were placed in different positions directly under identical light sources in a dark room.

Light from a lamp



Screen M

Light from a lamp



Screen N

Which of the following shadows would be observed for each screen?

	Screen M	Screen N
A	●	▲
B	◀	●
C	◀	▲
D	▲	●

20. The source of the colours in a rainbow is \_\_\_\_\_

- A. Air
- B. Clouds
- C. Raindrops
- D. Sunlight

21. The force that pulls things down to Earth is called \_\_\_\_\_

- A. Elastic
- B. Friction
- C. Gravitational
- D. Magnetic

22. Which statement is **not true** about friction?

- A. Friction acts when two surfaces rub against each other
- B. Friction is greater on a smooth surface than on a rough surface
- C. Friction prevents objects from moving
- D. Friction slows down a moving object

23. What part of a compass is a magnet?

- A. Case
- B. Glass
- C. Handle
- D. Needle

24. Which of the following statement is a pull force?

- A. Knocking a nail into the wall with a hammer
- B. Mopping the floor
- C. Opening a refrigerator door
- D. Writing on a piece of paper

25. Which of the following materials is translucent?

- A. Basketball
- B. Frosted glass
- C. Brick
- D. Water