



Minuwangoda Education Zone

Second Term Test - 2025

Grade 6

Science

Name :

Time - 2 hours

1. Which of the following processes produces the energy required by living beings?

- Nutrition
- Growth
- Reproduction
- Respiration

2. The states of matter of mercury, steam, and coconut oil respectively are:

- Solid, gas, liquid
- Liquid, gas, liquid
- Liquid, liquid, gas
- Gas, gas, liquid

3. Which of the following statements about carbon dioxide gas is not correct?

- It is needed for the respiration of living beings
- It is required for photosynthesis
- It turns colorless limewater into milky white
- It is released by plants during respiration

4. What is the most accurate instrument used to measure a liquid volume?

- Beaker
- Measuring cylinder
- Test tube
- Boiling tube

5. What is the most abundant salt found in seawater?

- Calcium Chloride
- Calcium Carbonate
- Sodium Chloride
- Sodium Sulphate

6. A substance that has mass and occupies space is generally called:

- Matter
- Gas
- Liquid
- Energy

7. The ability to do work is referred to as:

- Force
- Power
- Speed
- Energy

8. Coal is:

- A biomass
- A fossil fuel
- Liquid petroleum
- A Tidal waves

9. Which of the following is a non-living substance?

- Fungus
- Algae
- Fish
- Glass

10. The magnet shown in this picture is referred to as:

- Ring magnet
- Tabular magnet
- Bar magnet
- U magnet

11. Which of the following is a source of energy used to generate electricity?

- Wind
- Sun
- Flowing water
- All of the above

12. What does the following experiment demonstrate?

- That heat exists in the atmosphere
- That water vapor is present in the atmosphere
- That ice cubes turns into water vapor
- That the surrounding air is warm

13. Which power plant and its location are correctly matched?

- Diesel Power plant- Laxapana
- Coal Power Plant – Norochcholai
- Hydroelectric Power Plant – Mannar
- Wind Power Plant - Kundasale

14. The correct order in which the salinity of water decreases is:

- Fresh water, Brackish water, Marine water
- Brackish water, Fresh water, Marine water
- Marine water, Fresh water, Brackish water
- Marine water, Brackish water, Fresh water

15. The physical property of gold that makes it suitable for making jewelry is:

- Malleability
- Its smooth texture
- Because it is elastic
- Because it is brittle

16. What is the percentage of water on Earth that is available for human consumption?

- 0.001%
- 0.01%
- 0.1%
- 1%

17. How can a leopard and a jellyfish be classified using a dichotomous key?

- Moves and does not move
- Feeds and does not feed
- Grows and does not grow
- Has legs and does not have legs

18. The musical instrument shown below is called a:

- Violin
- Trumpet
- Saxophone
- Xylophone

19. The musical instrument that produces sound by blowing through a tender coconut leaf is:

- Serpina
- Guitar
- Sitar
- Davula

20. The situation in which optical fibers are not used is:

- For telephone communication
- To magnify small objects for viewing
- For internet connections
- To examine the internal organs of the body

Part II

- Answer the first question and four other questions.

1. A) The following are four devices designed to utilize solar energy.



A



B



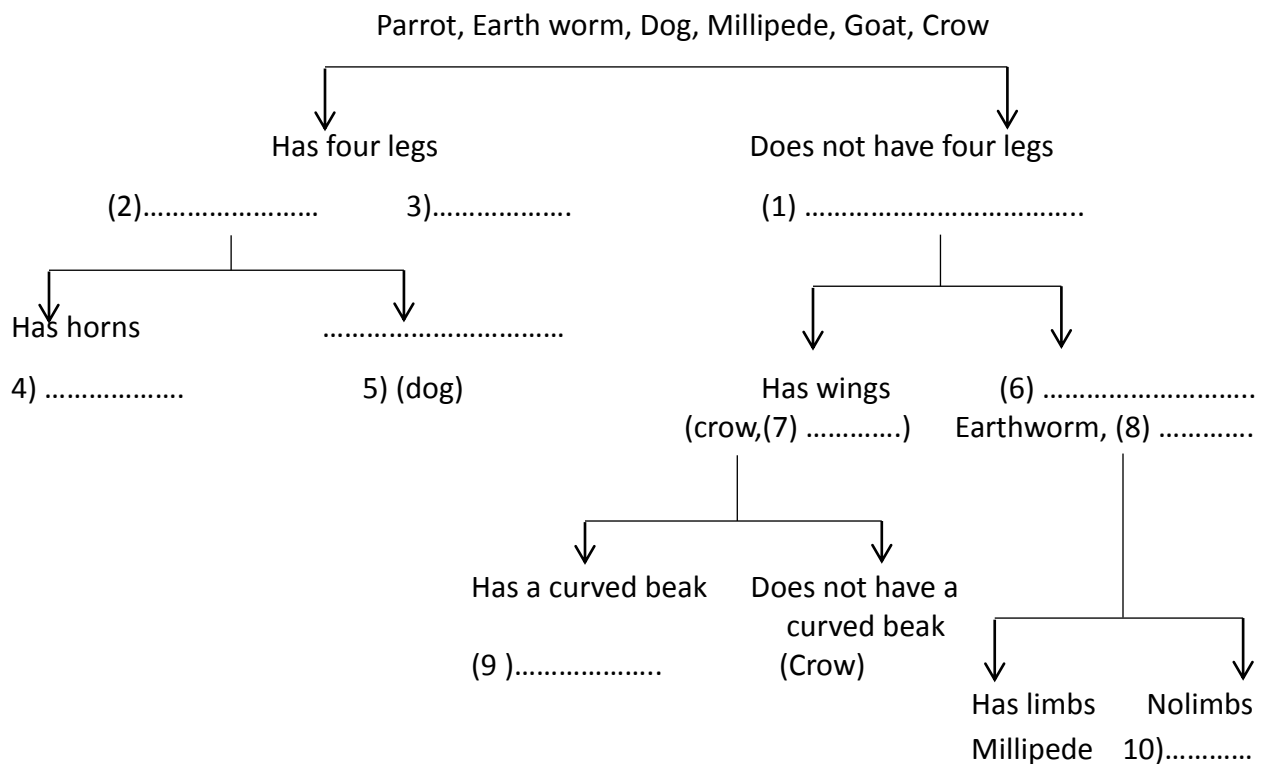
C



D

1. Identify and name A, B, C, and D.
2. What are the two main forms of energy emitted by the Sun?
3. Write two benefits of using solar energy.
4. Write two types of biomasses that can be used for cooking.
5. Name the region where the coal power plant used for electricity generation in Sri Lanka is located.
6. What is the energy source used for the saw dust stove you made at school?

B). Complete the dichotomous key below.



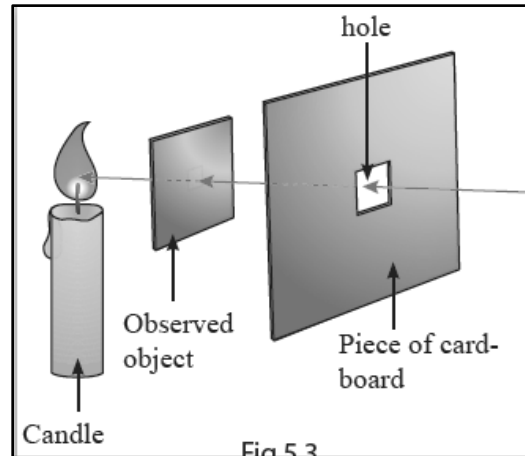
2. Put a tick (✓) in front of correct statements and a cross (X) in front of incorrect statements:

- The water with the highest salinity is brackish water ()
- The international standard unit for measuring mass is grams (g) ()
- Same magnetic poles attract each other ()
- A saw dust stove operates using fossil fuels ()
- Bricks are translucent materials ()
- Rhythmic and irregular sounds are referred to as music ()
- Laser beams are not used in the medical field ()
- The main source of energy for Earth is ocean waves ()
- Garden pea plant's leaf is completely divided into parts ()
- Light does not always travel in a straight line ()
- The most commonly used energy source in Sri Lanka is ocean waves ()

2. Select the matching answer from section B for section A

A	B
1. A substance that is attracted to magnets	refrigerator
2. A device with electric equipment	Compass
3. Used to detect a magnetic field	Communication
4. A type of magnet based on its shape	Ring shaped
5. A field that uses light	firefly
6. Natural light source	Illumination
7. Light is used in advertising	Iron sheets
8. An example of an opaque material	Heat
9. A type of energy	Elastic nature
10. A property found in vehicle tires	Ferrite
11. Used to make strong magnets	Papers

4. An activity conducted by a group of Grade 6 students is described below:
Three different materials labeled A, B, and C were used to observe an object.



- When looking through Material A, the flame of the candle is clearly visible.
- When looking through Material B, light can be seen, but the candle flame is not clearly visible.
- When looking through Material C, neither the light nor the candle flame is visible.

1. Provide examples that match materials A, B, and C.

- | | |
|---------------|-------------|
| 1. Material A | Cardboard |
| 2. Material B | Clear water |
| 3. Material C | Oil paper |

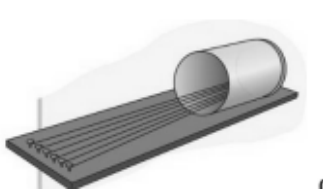
2. Classify materials A, B, and C as transparent, translucent, and opaque.

3. Write two factors needed for seeing.

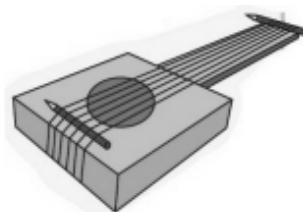
4. Write two benefits we get from light other than seeing.

5. Draw a beam of light.

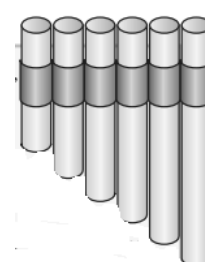
5. (A) Sound can be produced in different ways. Three such instruments designed for that are shown below.



A



B



C

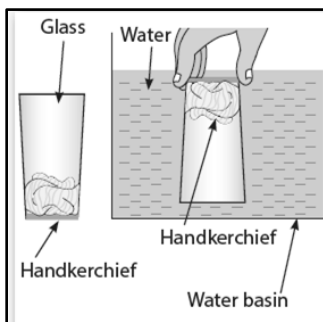
- 1) What is instrument A?
- 2) Write two instruments that produce sound in the same way as a drum.
- 3) Write two artificial sounds.
- 4) Sound is produced through vibration. What is vibration?

(B) Fill in the blanks using the given words.

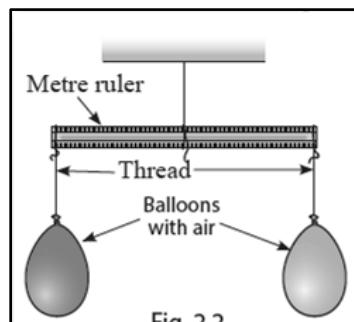
(Sources of sound, noise, vibrates, sounds, veena, thammattama)

1. A non-rhythmic sound is called a
2. Sound is produced when something
3. The objects that produce sound are called.....
4. The instrument that produces sound through vibration of a membrane is
5. To protect the ears from loud, ear protectors are use.

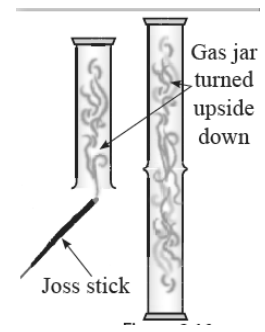
6) Several activities carried out by Grade 6 students are given below.



A



B



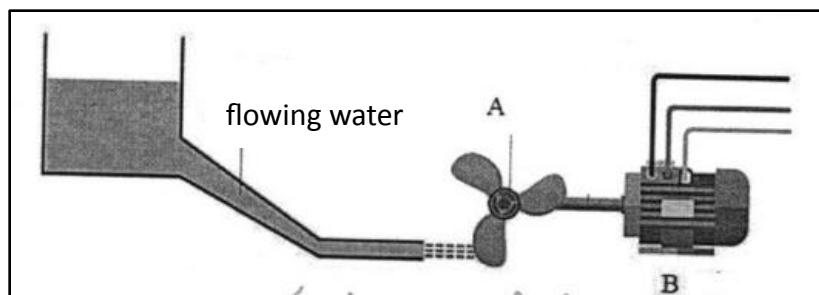
C

(A) 1). Write the English letter in front of the activity that matches the conclusion.

- (i) The fact that air has no definite volume
- (ii) The fact that air has mass
- (iii) The fact that air occupies space

2). Write the three physical states of matter and write an example for each state.

(B) A suitable framework that can be used for generating electricity from flowing water is given below.



- 1). What type of energy is contained in flowing water?
- 2). Name A and B.
- 3). Write two ways to use energy efficiently at home.