Answer ALL Questions

Direction: Each question in this section is followed by four possible. Choose the correct answer and circle it. [15]

1. Which of the following is a gas?
   A Ice
   B Steam
   C Water
   D Wood

2. Melting ice is an example of:

   A Physical change

   B Chemical change

   C Natural change

   D Irreversible change

3. Which method can separate salt from saltwater?
   A Filtration
   B Evaporation
   C Sieving
   D Magnetic separation

4. What does friction do to moving objects?
   A Makes them fly
   B Speeds them up
   C Slows or stops them
   D Turns them into gas

5. Sound is produced when objects:
   A Melt
   B Vibrate
   C Glow
   D Stop

6. Which object will allow light to pass through completely?
   A Cardboard
   B Frosted glass
   C Clear glass
   D Metal sheet

7. Which of the following materials is magnetic?
   A Wood
   B Plastic
   C Iron
   D Glass

8. A battery is used as a source of:
   A Heat
   B Light
   C Water
   D Electricity

9. Which of these is a solid state of matter?
   A Air
   B Steam
   C Ice
   D Water

10. Which of the following is a reversible physical change?
    A Burning paper
    B Melting chocolate
    C Cooking rice
    D Rusting of iron

11. How is sand separated from water?
    A Filtration
    B Evaporation
    C Condensation
    D Magnetic separation

12. Why do we put oil on bicycle chains?
    A To make them shiny
    B To make them heavier
    C To reduce friction
    D To increase weight

13. Evaluate the following statements about shadows and select the correct explanation:
    A Shadows can be formed even if light passes through an object completely.
    B Shadows are formed due to the blockage of light by an object.
    C Shadows are formed due to sound waves interacting with objects.
    D Shadow are formed due to vibration of object.

14. Which of the following is **NOT** a form of matter?
    A Air
    B Light
    C Water
    D Rock

15. Evaluate the following scenarios and identify which one correctly demonstrates the concept of force (push or pull).
    A magnet pulling iron nails.
    B A battery producing light.
    C A sound wave traveling through air.
    D Electricity flowing through a wire.

Qustion 2

Direction: Match the following and your answer in third empty column [5]

Column A	Column B	Answer
1. Steam	A. Physical change	1.
2. Magnet	B. Form of gas	2.
3. Melting ice	C. Transparent object	3.
4. Clear glass	D. Used to attract iron	4.
5. Battery	E. Source of electricity	5.

Question 3

Direction: Fill in the blank with appropriate answer. [10]

a. Matter exists in three states: solid, _____, and gas.

b. A _____ change does not create a new substance.

c. Friction is a force that _____ the motion of objects.

d. We use _____ to separate iron objects from a mixture.

e. The process used to separate salt from saltwater is called _____.

f. When an object blocks light, it forms a _____.

g. Sound is made when an object _____.

h. A _____ is used as a source of electricity in circuits.

i. Iron is a material that gets attracted to a _____.

j. Most of the light passes through _____ glass.

Section B   **[20marks]**

Attempt all the question.

Question 4

1. What is the difference between solid, liquid and gas? [3]

2**.** If you have two objects, one made of wood and the other made of metal, both the same size, which one do you think will be heavier? Why? [2]

Question 5

1   Explain why water can change from solid ice to liquid water and then to steam. What causes these changes in state? [2]

2   Define element with at least two example. [2]

3   What do you mean by human made change? [1]

Question 6

1. You accidentally bend an iron spoon. Later, the same spoon starts to rust.
    Which of these is a physical change, and which is a chemical change? Explain your
    answer.   [2]

2. Why melting ice is considered a physical change and not a chemical change?   [2]

3. What is a physical change?   [1]

Question 7

1. Write down at least three properties of light?   [3]

2. Why frictional force is important in our daily life?   [2]

Question 8

1. Write down two advantages of friction.   [2]

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2. Write done three disadvantages of friction. [3]

Question 9

1. Define. [3]

   a Reflection

   b Refraction

   c Frictional force

2. Show the processes how electricity is generated by using water? [2]