



Multiple Choice Questions

- Any substance used to make an object is called**
 - Matter
 - Material
 - Object
 - Property
- Which of the following materials has lustre?**
 - Wood
 - Paper
 - Copper
 - Rubber
- Materials through which objects cannot be seen are called**
 - Transparent
 - Translucent
 - Opaque
 - Shiny
- Which of the following is soluble in water?**
 - Sand
 - Chalk powder
 - Sugar
 - Sawdust
- Which property decides whether a material is hard or soft?**
 - Colour
 - Appearance
 - Compressibility
 - Solubility
- Glass allows light to pass through it completely, so it is**
 - Opaque
 - Translucent
 - Lustrous
 - Transparent
- Materials that do not have a shiny surface are called**
 - Metals
 - Lustrous
 - Non-lustrous
 - Transparent
- Which of the following is an example of a translucent material?**
 - Clear glass
 - Butter paper
 - Wooden board
 - Iron sheet
- The method of arranging objects into groups based on properties is called**
 - Mixing
 - Sorting
 - Classification
 - Observation

10. Anything that occupies space and has mass is called

- (a) Material
- (b) Object
- (c) Matter
- (d) Substance

Fill in the blanks :

11. Materials that allow light to pass through them completely are called _____.
12. Wood and cardboard are examples of _____ materials.

True / False

13. All shiny materials are metals.
14. Sugar disappears in water because it dissolves in it.

Very Short Type Questions

15. What is a material?
16. What is meant by soluble substance?

Short Type Questions

17. Why do we classify materials?
18. Explain the difference between transparent and opaque materials with examples.

Essay Type Questions

19. Explain different properties of materials that help us choose them for specific uses.
20. Describe the classification of materials based on their appearance and solubility in water.

HOTS

21. **Assertion (A):** Butter paper is used for wrapping food items.
Reason (R): Butter paper is translucent and does not allow oil to pass through easily.
Choose the correct option:
- a) Both A and R are true and R is the correct explanation of A
 - b) Both A and R are true but R is not the correct explanation of A
 - c) A is true but R is false
 - d) A is false but R is true

Chapter-6 | MATERIALS
AROUND US

Worksheet-1

Answer & Solution

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1. (b) Material
2. (c) Copper
3. (c) Opaque
4. (c) Sugar
5. (c) Compressibility
6. (d) Transparent
7. (c) Non-lustrous
8. (b) Butter paper
9. (c) Classification
10. (c) Matter
11. Transparent
12. Opaque
13. False
14. True
15. A material is any substance that is used to make an object.
16. A soluble substance is one that dissolves completely in water.
17. We classify materials to group similar objects together so that they can be studied easily. Classification helps us understand their properties and select suitable materials for making different objects.
18. Transparent materials allow light to pass through them completely, such as glass and water. Opaque materials do not allow light to pass through them at all, such as wood and metal.
19. Materials have different properties that help us decide how they can be used. Some materials are hard, like stone and iron, while others are soft, like cotton and sponge. Materials may be lustrous or non-lustrous depending on whether they have a shiny surface. Some materials are soluble in water, like salt and sugar, while others are insoluble, like sand. Materials can also be transparent, translucent or opaque based on how they allow light to pass through them. These properties help us choose suitable materials for making objects such as utensils, containers and tools.
20. Materials can be classified based on their appearance and solubility in water. Based on appearance, materials are grouped as lustrous and non-lustrous. Metals like copper and iron are lustrous, while materials like wood and rubber are non-lustrous. Based on solubility, materials are classified as soluble or insoluble in water. Sugar and salt dissolve in water and are soluble, whereas sand and sawdust do not dissolve and are insoluble. This classification helps in understanding material behaviour and their practical uses.
21. Correct option: a
Explanation: The assertion is true because butter paper is commonly used for wrapping food. The reason is also true and correctly explains the assertion, as butter paper is translucent and prevents oil from leaking, making it suitable for food wrapping.