

Chapter-2

Worksheet-1

Q1. What makes the basis of sorting materials into groups?

- (a) Similarities in their properties
- (b) Differences in their properties
- (c) Both similarities and differences in their properties
- (d) All of these

Q2. Which one will show a metallic lustre?

- (a) Any surface of a metal
- (b) Freshly cut surface of a metal
- (c) Freshly cut surface of non-metal
- (d) Surfaces of all materials

Q3. An oily thin paper sheet will be

- (a) transparent
- (b) translucent
- (c) opaque
- (d) cannot be predicted

Q4. Choose the opaque object from the following:

- (a) Charcoal
- (b) Air
- (c) Glass
- (d) Water

Q5. Match the following items given in Column A with that in Column B:

| Column A | Column B | |
|------------------------------|-----------------------|--|
| (a) Glass, air | (i) Floats on water | |
| (b) Iron sheet and cardboard | (ii) Translucent | |
| (c) Oily paper sheet | (iii) Metallic luster | |
| (d) Sugar and salt | (iv) Transparent | |
| (e) Gold and silver | (v) Opaque | |
| (f) Wax | (vi) Soluble in water | |

Q6. Fill in the blanks with appropriate words:

1. Mustard oil is in water.
2. A sugar syrup is a
3. Sand is in water.
4. Blue Vitriol (Neela though) is in water.
5. substances are those through which we can easily see.

Q7. Materials that are difficult to compress are called-

- (a) Hard material
- (b) Soft material
- (c) Sponge material
- (d) None of these

Q8. State whether the statements given below are True or False:

1. Grouping is a useful process
2. All objects are made up of same kind of materials.
3. Things can be grouped on the basis of their shape and size
4. Different types of materials have different properties.
5. Same thing can be made from different materials

Q9. Which among the following are commonly used for making a safety pin?

- (a) Wood and glass
- (b) Plastic and glass
- (c) Leather and plastic
- (d) Steel and plastic

Q10. Which of the following materials is not lustrous?

- (a) Gold
- (b) Silver
- (c) Wood
- (d) Diamond

Q11. Differentiate among opaque, translucent and transparent materials, giving one example of each

Q12. Why do we need the grouping of objects?

Q13. List any three solutions that are used in your home.

Q14. List five each opaque and transparent materials.

Q15. Explain with example rough and smooth surfaces.

Q16. Name two gases each which are soluble and insoluble in water.

Q17. Write any four properties of materials.

Q18. Why is a tumbler not made with a piece of cloth?

Q19. Describe a method to prove that water is a transparent material.

Q20. what basis are the various objects grouped?