

Class: VI
Subject: Chemistry
Topic: Sorting materials into groups
No. of Questions: 20

1. Why do we need to group materials?
2. Name five objects which can be made from wood.
3. Classify the following fibres as natural or synthetic : nylon, wool, cotton, silk, polyester, jute
4. Select those objects from the following which shine: glass bowl, plastic toy, steel spoon, cotton shirt
5. State whether the statements given below are true or false.
 - (i) Stone is transparent, while glass is opaque.
 - (ii) A notebook has lustre while eraser does not.
 - (iii) Chalk dissolves in water.
 - (iv) A piece of wood floats on water.
 - (v) Sugar does not dissolve in water.
 - (vi) Oil mixes with water.
 - (vii) Sand settles down in water.
 - (viii) Vinegar dissolves in water.
6. What is the difference between soft and hard material?
7. Given below are the names of some objects and materials: Water, basket ball , orange, sugar, globe, apple, and earthen pitcher Group them as:
 - (a) Round shaped and other shapes
 - (b) Eatables and non-eatables
8. Why some materials lose their shine and appear dull?
9. List all items known to you that float on water. Check and see if they will float on oil or kerosene.
10. What types of substances are soluble in water? Give example.

11. Why do we need to separate different components of a mixture? Give two examples.
12. What type of substances is called translucent?
13. What is winnowing? Where is it used?
14. Classify the following as transparent or translucent or opaque material :
Cardboard, glass, water, oily paper, wood, stone, metal
15. How will you separate husk or dirt particles from a given sample of pulses before cooking?
16. What do you mean by the term 'transparent'?
17. Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it?
18. Match the following:

| A | B |
|--------------|------------|
| 1. Newspaper | a. Wood |
| 2. Chair | b. Paper |
| 3. Shoes | c. Wax |
| 4. Nail | d. Leather |
| 5. Candle | e. Metal |

19. How would you obtain clear water from a sample of muddy water?
20. Find the odd one out:
 - a. Iron, wood, nail, cotton.
 - b. Sugar, salt, sand, milk
 - c. Copper, wood, aluminium, gold.
 - d. Table, chair, coin, bed