

- Different types of materials have different properties.
- Some materials are shiny in appearance while others are not. Some are rough, some smooth. Similarly, some materials are hard, whereas some others are soft.
- Some materials are soluble in water whereas some others are insoluble.
- Some materials such as glass, are transparent and some others such as wood and metals are opaque. Some materials are translucent.
- Materials are grouped together on the basis of similarities and differences in their properties.
- Things are grouped together for convenience and to study their properties.

Exercises

1. Name five objects which can be made from wood. *Chair, window, Table, door, pencil*
2. Select those objects from the following which shine:
Glass bowl, plastic toy, steel spoon, cotton shirt
3. Match the objects given below with the materials from which they could be made. Remember, an object could be made from more than one material and a given material could be used for making many objects.

Objects	Materials
Book	Glass
Tumbler	Wood
Chair	Paper
Toy	Leather
Shoes	Plastics

4. State whether the statements given below are True or False.
 - (i) Stone is transparent, while glass is opaque. **F**
 - (ii) A notebook has lustre while eraser does not. **T**
 - (iii) Chalk dissolves in water. **F**
 - (iv) A piece of wood floats on water. **F**

- (v) Sugar does not dissolve in water. F
- (vi) Oil mixes with water. F
- (vii) Sand settles down in water. T
- (viii) Vinegar dissolves in water. T

5. 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

6. List all items known to you that float on water. Check and see if they will float on an oil or kerosene.

7. Find the odd one out from the following:

- a) Chair, Bed, Table, Baby, Cupboard
- b) Rose, Jasmine, Boat, Marigold, Lotus
- c) Aluminium, Iron, Copper, Silver, Sand
- d) Sugar, Salt, Sand, Copper sulphate