



SORTING MATERIALS INTO GROUPS

EXERCISES

Question 1:

Name five objects which can be made from wood.

Answer 1:

Table, chair, bed, doors, bullock cart etc.

Question 2:

Select those objects from the following which shine:

Glass bowl, plastic toy, steel spoon, cotton shirt

Answer 2:

Glass bowl and steel spoon

Question 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

Answer 3:

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

Question 4:

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.

Answer 4:

- | | |
|--|---------|
| I. Stone is transparent, while glass is opaque. | (False) |
| II. A notebook has lustre while eraser does not. | (False) |
| III. Chalk dissolves in water. | (False) |
| IV. A piece of wood floats on water. | (True) |
| V. Sugar does not dissolve in water. | (False) |
| VI. Oil mixes with water. | (False) |
| VII. Sand settles down in water. | (True) |
| VIII. Vinegar dissolves in water. | (True) |

Question 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.

Answer 5:

(a)

Round shaped: Basket ball, orange, globe, apple and earthen pitcher.

Other shaped: Water and sugar

(b)

Eatables: Water, orange, sugar and apple

Non-Eatables: Basket ball, globe and earthen pitcher

Question 6:

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

Answer6:

Wooden block, Paper, Balloon, Hair, plastic bottle, wooden logs, Boat etc. Will float on water. Few of these like hair, balloon can float on kerosene or oil. Generally, substances have less density than oil and water can float.

For example, few types of wood have densities higher than oil but less than water, so it floats on water but not on kerosene.

Question 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

Answer 7:

- a) Baby: Rest other are made up of wood and are non-living things.
- b) Boat: Rest others are flowers.
- c) Sand: Rest others are metals.
- d) Sand: Rest others are in crystal form.