

**SCIENCE**

**CHAPTER-4 SORTING MATERIALS IN TO 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 shapes* : 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.

**Answer 6:**

Wooden block, Paper, Balloon, Hair, plastic bottle, wooden logs, Boat etc. will float on water. A 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 others 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 forms.