NCERT Solutions for Class 6 Science Chapter 4 Sorting Materials into Groups

1. Name five objects which can be made from wood.

Solution:

a) Table

b) Chair

c) Doors

d) Desk

e) Box

2. Select those objects from the following which shine: Glass bowl, plastic toy, steel spoon, cotton shirt

Solution:

Glass bowl and steel spoon are the objects which shine

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	Material
Book	Glass
Tumbler	wood
Chair	Paper
Toy	Leather
Shoes	Plastics

Solution:

Objects	Material
Book	Paper, Wood
Tumbler	Glass, wood, plastic
Chair	wood, plastic

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Toy	Glass, Wood, Paper, Plastics, Leather
Shoes	Leather, Plastic

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.

Solution:

i) False

ii)False

iii) False

iv) True

v) False

vi) False

vii) True

viii) True

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

Solution:

(a) Round shaped – Basketball, Orange, Globe, Apple, Earthen pitcher

Other shapes – Water, Sugar

(b) Eatables – Water, Orange, Sugar, Apple

Non eatables – Basketball, Globe, Earthen pitcher

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

Solution:

Few items that float on water are as follows:

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1. Sponge's piece
2. Plastic bottle
3. Paper's piece
4. Thermocol's piece
5. Wood
6. Plastic ball
7. Cork

However, these items will not 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) Aluminum, Iron, Copper, Silver, Sand

d) Sugar, Salt, Sand, Copper sulphate

Solution:

a) Baby – others are made up of wood

b) Boat – others are flowers

c) Sand – others are metals

d) Sand – others are soluble in water

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