

Grade 6 Sorting Materials Into Groups Worksheets

A. Answer the following questions in short:

1. Name five objects which can be made from wood.
2. Select those objects from the following which shine:
Glass bowl, plastic toy, steel spoon, cotton shirt
3. Given below are the names of some objects and materials:
Water, basket ball, orange, sugar, globe, apple, papaya and earthen pitcher.
Group them as:

- Round shaped and other shapes.
- Eatables and non-eatables.

4. List all items known to you that float on water. Check and see if they will float on an oil or kerosene.
5. What do you mean by soluble substances?
6. How will you differentiate among solid, liquid and gas?
7. Mercury is used in thermometer though it is a metal. Why?
8. Do gases dissolve in water?

B. 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
1. Book	a. Glass
2. Tumbler	b. Wood
3. Chair	c. Paper
4. Toy	d. Leather
5. Shoes	e. Plastics

C. State True or False:

1. Stone is transparent, while glass is opaque.
2. A notebook has lustre while eraser does not.
3. Chalk dissolves in water.

4. A piece of wood floats on water.
5. Sugar does not dissolve in water.
6. Oil mixes with water.
7. Sand settles down in water.
8. Vinegar dissolves in water.

D. Find the odd one out from the following:

1. Chair, Bed, Table, Baby, Cupboard
2. Rose, Jasmine, Boat, Marigold, Lotus
3. Aluminium, Iron, Copper, Silver, Sand
4. Sugar, Salt, Sand, Copper sulphate

E. Tick (✓) the Correct Option:

1. Which one is not matter?
 - (a) Electricity
 - (b) Paper
 - (c) Water
 - (d) Petroleum

2. Which of the following materials is lustrous?
 - (a) Wood
 - (b) Gold
 - (c) Paper
 - (d) Sulphur

3. is a translucent substance.
 - (a) Oily paper
 - (b) Water
 - (c) Sand paper
 - (d) Wood

4. Which of the following is not opaque?
 - (a) Wood
 - (b) Frosted glass
 - (c) Iron
 - (d) Cardboard

F. Fill in the Blanks:

1. A material breaks easily.
2. A material can be drawn into a wire.

3. Kerosene is while cotton is
4. Stone is while cotton is
5. Plastic is a material.
6. Coconut oil on the surface of water.

G. During summer holidays, a group of children collect some materials and tried to group them on the basis of properties. Help them in filling the blanks given in the table.

1.

Name of the material	Appearance (Hard/Soft)	Soluble/Insoluble in Water
Lump of salt	Soft	Soluble
Green grass		
Chalk		

2.

Name of the material	Transparency (Transparent/Translucent/Opaque)	Floats/Sinks in Water
Lump of salt	Opaque	Sinks
Wood		
Plastics (Polythene)		Floats

H. Complete the Table given below:

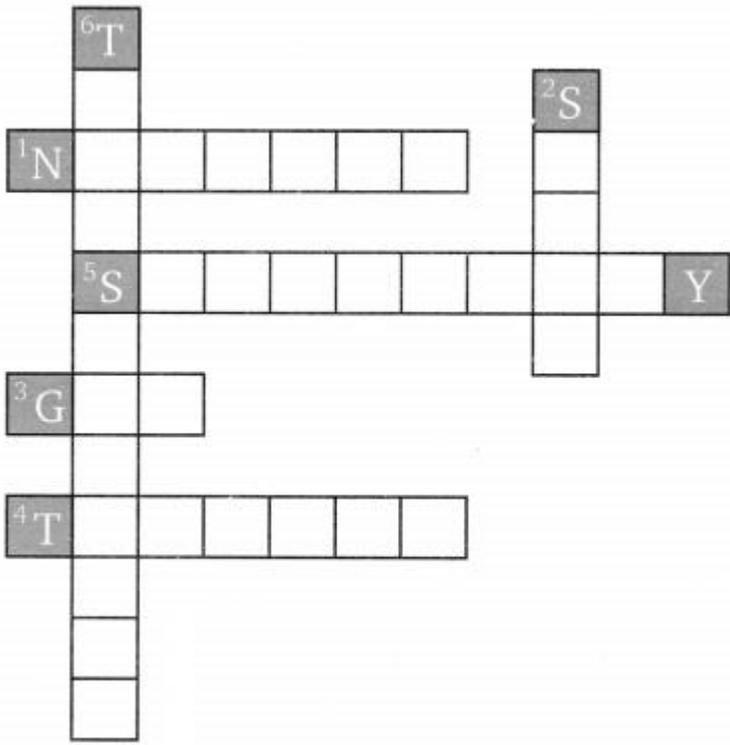
Material	State	Any one Property
Lemon water	Liquid	Soluble
Mud		
Copper wire		
Water vapour		
Air		
Aluminium bar		
Gold ring		
Poly bag		

I. Science Puzzle:

Across (→)



1. Coal is a material.
 3. The particles of this state of matter have no force of attraction.
 4. The way the surface of an object feels on touching it.
 5. The ability of a substance to dissolve in another substance.
- Down (→)
2. This state of matter has definite shape and volume.
 6. It is the property of materials by which they allow light to pass through them.



J. You may have played a memory game with your Mends. Several objects are placed on a table, you are asked to observe them for a few minutes, go into another room and write down the names of all objects that you can remember. Play this game, with a difference! Ask all the participants in the game to remember objects with some particular property while playing this memory game—remember and write do\vn the names of objects that were made of wood or objects that are edible and so on. Have fun