



# CHEMISTRY

## BOOKS - MBD

### SORTING MATERIALS INTO GROUPS

#### Example

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



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2. Select those objects from the following which shine:

Glass bowl , plastic toy, steel spoon,cotton shirt.



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3. State whether the statements given below are True or False :

Stone is transparent,while glass is opaque.



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4. State whether the statements given below are True or False :

A notebook has lustre while eraser does not.



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5. State whether the statements given below are True or False :

Chalk dissolves in water.



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6. State whether the statements given below are True or False :

Sugar does not dissolve in water.



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7. State whether the statements given below are True or False :

Oil mixes with water.



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**8.** State whether the statements given below are True or False :

Sand settles down in water.



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**9.** State whether the statements given below are True or False :

Vinegar dissolves in water.



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**10.** Given below are the names of some objects and materials:

Water, basket ball, orange, sugar, globe, apple and earthen pitcher.

Group them as:

Round shaped and other shapes



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**11.** Given below are the names of some objects and materials:

Water, basket ball, orange, sugar, globe, apple and earthen pitcher.

Group them as:

Eatables and non-eatables.



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



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**13.** Find the odd one out from the following:

Chair, Bed, Table, Baby, Cupboard.



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**14.** Find the odd one out from the following:

Rose, Jasmine, Boat, Marigold, Lotus.



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**15.** Find the odd one out from the following:

Aluminium, Iron, Copper, silver, Sand.



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**16.** Find the odd one out from the following:

Sugar, Salt, Sand, Coppersulphate.



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**17.** What are the differences in various objects?



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**18.** What are the different ways of grouping the objects ?



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**19.** What is Classification ?



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**20.** Name five objects which can be made from wood.



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**21.** Which object can be made from leather?



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**22.** Name the objects which can be made with paper.



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**23.** Name the objects made from plastic.



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**24.** Write any four characteristics of a material



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**25.** What are the basis which go a long way in the choice of the material for making an objects.



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**26.** Why are metals used for making wires ?



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**27.** Give examples for metals.



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**28.** Why do some metals lose their lustre?



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**29.** Name few substances which are soluble in water.



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**30.** Name few substances which are insoluble in water.



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**31.** Name the liquids which are miscible in water.



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**32.** Write names of some liquids which are immiscible water.



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**33.** Name one gas that dissolves in water.



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**34.** Name five such substances which sink in water.





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**35.** Name five substances which float on water surface.



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**36.** List five examples each of opaque and transparent materials.



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**37.** Name some materials that can be used to make school bags.



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**38.** Name some objects made from glass.



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**39.** List some solutions that are used in your home.





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**40.** Why water is called universal solvent?



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**41.** Name four objects made each from the following materials:Leater,plastic and cotton.



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**42.** The following objects are made of which materials: Plate and Pen.



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**43.** What are soluble and insoluble substance?



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**44.** Which of the following liquids mix well with water and which others do not mix ?

Vinegar ,lemon juice,sarson oil,coconut oil and kerosene oil.



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**45.** Which of the following substances float on water and which one sink in water.

Dry leaves, piece of cork,drop of honey,pebble,key,sarson oil.



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**46.** What is a transparent material ?



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**47.** What are opaque objects ?



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**48.** What are translucent objects?



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**49.** Why is grouping of materials necessary ?



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**50.** How does the grouping of objects help the shopkeeper ?



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**51.** Describe a method to show that water is transparent.



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52. Explain Transparent, Translucent and Opaque materials with the help of examples.



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53. What are the different criteria on basis of which materials can be grouped ?



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54. The cause of variety of substance is-

A. Shape

B. Colour

C. Properties

D. All of these

**Answer:**



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55. Orange and pitcher are-

A. Round

B. Rectangular

C. Triangular

D. None.

**Answer:**



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**56.** Example of food is-

A. Chalk

B. Cotton

C. Wheat

D. None.

**Answer:**



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**57.** A plate can be of steel , glass and-

A. Plastic

B. Leather

C. Thread

D. None.

**Answer:**



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**58.** It is a lustrous material.

A. Cotton cloth

B. Wooden box

C. Copper wire

D. None.

**Answer:**



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**59.** It is a not a mineral.

A. Aluminium

B. Copper

C. Silver

D. Sand.

**Answer:**



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**60.** It is a water soluble material.

A. Salt

B. Sugar

C. Blue dye

D. All of these

**Answer:**



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61. It does not float on water.

A. paper

B. Stone

C. coconut oil

D. Feather.

**Answer:**



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**62.** The materials through which light can easily pass are called-

A. Transparent

B. Translucent

C. Opaque

D. None.

**Answer:**



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**63.** Glass is an example of a material.

A. Transparent

B. Translucent

C. Opaque

D. None.

**Answer:**



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**64.** Some materials are hard to touch.Example is-

A. Cloth

B. Rubber

C. Stone

D. Flower

**Answer:**



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65. It can be a soft material-

A. Marbles

B. Eraser

C. Plastic ball

D. All of these

**Answer:**



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**66.** Oil is not miscible in water.If means that it is-

A. Soluble

B. Insoluble

C. Hard

D. None.

**Answer:**



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67. Some materials are lustrousless.Example is-

A. Golden Jewellery

B. Copper wire

C. Aluminium foil

D. Paper boat.

**Answer:**



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**68.** Grouping of materials is done to make study and storing-

A. Convenient

B. Inconvenient

C. Both(A) and (B)

D. None of (A) and (B)

**Answer:**



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69. The purpose of sorting materials into groups is :

A. Similarities in properties

B. Both similarities and differences in properties

C. Differences in properties

D. None of these

**Answer:**



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70. The purpose of sorting materials into groups is :

A. Convenience

B. To study their properties

C. Both convenience and to study their properties

D. None of these

**Answer:**



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71. .... is an opaque object.

A. Air

B. Water

C. Charcoal

D. Clear Glass

**Answer:**



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72. .... is insoluble in water.

A. Common salt

B. Alum

C. Sugar

D. Sand.

**Answer:**



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73. .... is a set of transparent materials.

- A. Water and glass
- B. Wood and stone
- C. Air and cardboard
- D. None of these

**Answer:**



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