

Class:8

Chemistry
Elements, Compounds and Mixtures
Answersheet

I. Give one word answer:

- 1.Compounds 2.Tungsten 3.Sodium 4.Bromine 5.Zinc

II. Fill in the blanks:

1. Metals. 2. Mercury, gallium 3.residue 4. graphite 5. Iodine, camphor

III. Name the method of separation:

1. Filtration 2. Sublimation. 3.Magnetic separation. 4.Gravity separation
5. Separating funnel

IV. Name the solvent of the following substances:

- 1.Sulphur - Carbon disulphide
2.Rubber - Benzene
3.Chlorophyll - Methylated spirit
4.Glue - Ethyl alcohol
5.Rust - Oxalic acid

V. Page 55, 56

A. Tick the correct answer :

- 1-b, 2-b, 3-d, 4-c, 5-d

B. Fill in the blanks:

1. Graphite 2.brass 3.colloidal 4.energy 5. boiling point

C. True or false. Correct the false statements.

- 1.False. Ductility means the ability to be drawn into wires. OR Malleability means the ability to be beaten into sheets.
2. True 3.True 4.True 5.True

D. Refer to the table given on page 52.

E. Answer the following questions:

1. Mercury and gallium are two liquid metals.
2. Graphite is the non metal which is an excellent conductor.
3. Air is a mixture of gases.
4. An alloy is a homogeneous solid- solid mixture. Ex -brass is a mixture of copper and zinc.
5. Milk is a colloidal solution which can be used for drinking.
6. A mixture is a material obtained by mechanically mixing two or more substances (elements or compounds) in any proportion.
7. Characteristics of a mixture-Refer to page 43.

8. A chemical reaction in which energy is released in the form of heat and light is called exothermic reaction. Ex- burning of candle. A chemical reaction in which energy is absorbed in the form of heat or light is called endothermic reaction. Ex- Photosynthesis.
 9. Water is a compound because - it has a fixed composition by weight. In water, hydrogen and oxygen are combined together in a fixed ratio, 1:8 by mass.
 10. The elements which show the properties of metals as well as non metals are called metalloids. Examples-arsenic, antimony.
 11. Difference between compound and mixture: refer to the chart on page 45.
 12. Distillation: refer to the diagram and experiment on page 50.
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