

Chapter-2

Worksheet-2

Q.1. Which of the following property does not describe a compound?

- (a) It is composed of two or more elements
- (b) It is a pure substance.
- (c) It cannot be separated into constituents by physical means
- (d) It is mixed in any proportion by mass

Q.2. When two liquids do not mix, they form two separate layers and are known as

- (a) Miscible liquids
- (b) Immiscible liquids
- (c) Saturated liquids
- (d) Super saturated liquids

Q.3. How one can separate ammonium chloride from a mixture containing ammonium chloride and sodium chloride?

- (a) Precipitation
- (b) Sublimation
- (c) Chromatography
- (d) Centrifugation

Q.4. The amount of solute present per unit volume or per unit mass of the solution/solvent is known as

- (a) Composition of solute
- (b) Concentration of a solvent

- (c) Concentration of a solute
- (d) Concentration of a solution

Q.5. According to the definition of pure substance, which of the following is a pure substance?

- (a) Ice
- (b) Mercury
- (c) Iron
- (d) All of these

Q.6. Air shows the property of

- (a) N_2
- (b) O_2
- (c) Both (a) and (b)
- (d) None of these.

Q.7. The components of water can be separated by

- (a) Physical methods
- (b) Chemical methods
- (c) Both
- (d) They can't be separated

Q.8. Mixture can be

- (a) homogeneous
- (b) heterogeneous
- (c) Both (a) and (b)
- (d) pure substance

Q.9. Brass is a

- (a) Compound
- (b) Element
- (c) Homogeneous mixture
- (d) Heterogeneous mixture

- Q.10. In sugar solution,
- (a) Sugar is solute, water is solvent
 - (b) Sugar is solvent, water is solute
 - (c) Both are solutes
 - (d) Both are solvents.

Q.11. What name is given to those elements which are neither good conductors of electricity like copper nor insulators like sulphur?

Q.12. State two reasons for supposing that brass is a mixture and not a compound.

Q.13. Define a mixture. Give two points of evidence to show that sugar solution is a mixture.

Q.14. Choose the solution from among the following mixtures:

Soil, Sea-water, Air, Coal, Soda-water

Q.15. State any two properties for believing that aluminium is a metal.

Q.16. Compare the properties of metals and non-metals with respect to (i) malleability (ii) ductility, and (iii) electrical conductivity.

Q.17. State two physical properties on the basis of which metals can be distinguished from non-metals.

Q.18. What are the three groups into which all the elements can be divided? Name two elements belonging to each group.

Q.19. Which of the following substances are elements?

Water, Salt, Mercury, Iron, Iron, Marble, Diamond, Wood, Nitrogen, Air, Graphite, Hydrogen, Oxygen, Sugar, Chlorine

Q.20. What is the other name for impure substances? Give two examples of impure substances.