

**CLASS IX- CHEMISTRY
IS MATTER AROUND US PURE**

Assignment-1

MULTIPLE CHOICE QUESTION - 1.1

1. Which of the following provides an example of a true solution ?
(A) Blood (B) Milk (C) Starch solution (D) Sugar solution
2. Which of the following can be classified as a pure substance ?
(A) Milk (B) Sea - water (C) Ice (D) Cast iron
3. Which of the following is a compound ?
(A) air (B) Milk (C) Iodine (D) Water
4. The particle size of solute in true solution is of the order of -
(A) 10^{-6} m (B) 10^{-7} m (C) 10^{-8} m (D) 10^{-9} m
5. Which of the following statement is not true about true solution?
(A) It can pass through filter paper.
(B) It is homogeneous in nature.
(C) At constant temperature, particles of solute settle down.
(D) From a true solution, the solute can easily be recovered by evaporation or crystallization.
6. The concentration of solution is the mass of the solute in grams, which is present in -
(A) 10 gm of solvent (B) 10 gm of solution
(C) 100 gm of solvent (D) 100 gm of solution
7. A solution, which at a given temperature dissolves as much solute as it is capable of dissolving, is said to be a
(A) saturated solution (B) semi saturated solution
(C) unsaturated solution (D) super saturated solution
8. Which of the following is not a compound ?
(A) Marble (B) Washing soda (C) Quick lime (D) Brass
9. The elements which give out harmful radiation are called -
(A) normal elements (B) representative elements
(C) radioactive elements (D) none of these
10. Air is regarded as a -
(A) compound (B) mixture (C) element (D) electrolyte

SUBJECTIVE question - 1.2

1. Classify the following into elements and compounds :
Iron, Iron sulphide, Oxygen, Carbon, Urea, Sodium, Chalk, Washing soda and Gold.
2. Give the main points of distinction between a compound and a mixture.
3. What is meant by homogeneous mixtures ? Give two examples.
4. How much water should be added to 15 grams of salt to obtain 15 percent salt solution ?
5. Explain why, water is a compound and not a mixture ?

Prerna Education