

## Class :9 Worksheet 2

## Chapter: Is Matter Around Us Pure?

**Total Marks: 25**

## Section A ( 6x 1 = 6)

1. Define the term "mixture" with one example.
2. State one difference between a pure substance and a mixture.
3. What is the effect of temperature in the solubility of a solid in liquid.
4. Define Tyndall effect.
5. What are the two components of a solution?
6. Write any one formula of expressing concentration of a solution.

**Section B: (3 x 2 = 6)**

7. Differentiate between homogeneous and heterogeneous mixtures with two examples each.

8..Explain the following terms giving examples of each .

- a) Colloid.                      b) Saturated solution

9) Write any two differences between a physical change and chemical change.

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**Section C: ( 3 X 3 =9)**

10)Write any three differences between a mixture and a compound?

11) Identify the physical and chemical changes from the following.

a) Ripening of fruits

b) Rusting of Iron -chair

c) Dissolution of salt in water.

**Section D ( 1 x 4 =4)**

12) Classify the following substances as elements ,compounds or mixtures .

a) Sodium. b) Hydrogen c);Carbon dioxide, d)Common salt e)Brass. f)Ammonia

g)Milk. h) Gold i)Wood. j)Air. k) Water l) Sugar m)Blood. n) Pur Marble

o) Oxygen p)Chlorine .