Worksheet:-3 Subject: - Chemistry Class:-IX Teacher:-Mrs. Mriga Chhibber

Name:-_____ Class & Sec.:-_____ Roll No.:-___ Date:-13/05/2020

Matter Around Us Is Pure

Multiple choice questions.

1) Pure substance consists of
   a) Many Substances
   b) One Substances
   c) Two Substances
   d) Mixtures

2) Milk is a
   a) Pure substance
   b) Mixture
   c) Solution
   d) None of the above

3) Sodium chloride dissolved in water can be separated by
   a) Filtration
   b) Evaporation
   c) Sublimation
   d) None of the above

4) Soft drink, Soil, Air are all examples of a
   a) Pure Substance
   b) mixtures
   c) Compond
   d) None of the above

5) What will happen when we put a spoonful of copper sulphate in water?
   a) Copper sulphate will dissolve
   b) Copper sulphate will settle at the base of container
   c) Copper sulphate floats on surface of water
   d) None of the above

6) What do we call the mixtures in which Solute dissolves in solvent uniformly.
   a) Homogeneous Mixture
   b) Heterogeneous Mixture
   c) Colloids
   d) None of the above

7) Mixture of sand in water is an example of.
   a) Heterogeneous Mixture
   b) Homogeneous Mixture
   c) Solution
   d) None of the above

8) Mixture in which solute does not dissolves in solvent is called.
   a) Heterogeneous Mixture
   b) Homogeneous Mixture
   c) Both
   d) None of the above

9) Chalk powder when dissolved in water will.
   a) Dissolve in water
   b) Settles down in water
   c) Float on water surface
   d) None of the above

10) Few drops of milk when put in water
   a) Milk will dissolve in water
   b) Milk will settle down
   c) Milk will float on surface of water
   d) None of the above

Let us again divide the class into four groups- A, B, C and D. Distribute the following samples to each group A. one spatula full of copper sulphate to group B.- Chalk powder or wheat flour to group C.- few drops of milk or ink to group D. Each group should ass the given sample in water and stir properly using a glass rod. Are the particles in the mixture visible? Direct a beam of light from a torch through the breaker containing the mixture and observe from the front. Was the path of the beam of the light visible? Leave the mixture undistributed for a few minutes (and set up the filtration apparatus in the meantime). Is the mixture stable or do the particles being in to settle after some time? Filter the mixture. Is there any residue on the filter paper? Discuss the results. Answer the following questions.

a) What will be the result of all four groups?
b) Will light beam pass through all groups?
c) Will the contents of all groups be filtered?
d) Will the contents settle down if left undisturbed?