Supplement No. _____

CHEMISTRY WORKSHEET

SUMMATIVE ASSESSMENT - 1

CLASS : IX

1. MATTER IN OUR SURROUNDINGS.

1. Suggest a method to liquify atmospheric gases.
2. What is Sublimation?
3. Convert the following into celsius scale.
   i) 400 K ii) 673 K iii) 273 K iv) 113 K
4. Convert the following into kelvin scale.
   i) 0°C ii) 200°C iii) 123°C iv) −273°C
5. Name three factors on which evaporation depends.
6. Give reason for the following.
   i) Evaporation causes cooling.
   ii) Boiling is a bulk phenomenon.
   iii) Water at room temperature is a liquid.
   iv) Evaporation is a surface phenomenon.
7. Why should we wear cotton clothes in summer?
8. What happens when you pour some acetone on your palm?
9. After a hot sunny day, people sprinkle water on the roof or open ground. Why?
10. Define the following terms.
    i) Evaporation ii) Latent heat of fusion
    iii) Latent heat of vaporisation.
11. Why solid carbondioxide is called dry ice?

12. Rubber is a Solid. But it can change its shape. why?
13. Draw a diagram for the interconversion of the three states of matter.

II IS MATTER AROUND US is PURE

1. Name the scientist who used the term Element.
2. Define the following terms.
   i) Solute ii) Solvent iii) Solution.
3. Write the difference between homogeneous and heterogeneous mixtures.
4. A Solution contains 60 g of common salt in 340 g of water. Calculate the concentration in terms of mass by mass percentage
5. Write three differences between colloidal solution and Suspension.
6. What is Tyndall Effect?
7. Name the solute and Solvent present in the following.
   i) Sugar Solution ii) Soda water
   iii) tincture iodine
8. Name the dispersed phase and dispersing medium for the following.
   i) Fog ii) Milk iii) Shaving cream iv) Jelly.
9. Define the following.
   i) Distillation ii) Centrifugation
   iii) Chromatography iv) Fractional Distillation
10. Write any two applications of the following.
    i) Centrifugation ii) Chromatography.
11. Write three differences between Compound and Mixture
12. Name the Separation techniques used for the following

iii) oil from water iv) Tea leaves from tea.

13. Write three differences between physical change and chemical change.

14. Identify the following as physical change or chemical change.

i) rusting of iron ii) Cooking of food.

iii) Burning of a candle iv) melting of butter

v) freezing of water vi) Growth of a plant.

15. Draw the labelled diagrams for the following.

i) Separation of ammonium chloride and salt by sublimation

ii) Separation of immiscible liquids oil and water.

iii) Separation of miscible liquids by distillation.

iv) Separation of alcohol and water by fractional distillation.