

25/8/21

Chemistry Subjective Test - 1

Ans 1. Metalloids are something that have properties of both metals and non-metals. For eg- Silicon, boron

Ans 2. -> The composition of gunpowder is of sulphur and potassium chloride.

Ans 3 (i) fog and mist

(ii) Sugar and Jaggery

Ans 4. If the saturated solution is at room temperature then there will be no change but if the temperature is above the room temperature then some undissolved solute will appear at the bottom of the container.

Ans 5. Milk is a colloid in which the dispersing medium is liquid.

Ans 6. Quicklime - Oxygen and Calcium.

Hydrogen bromide - Bromine and Hydrogen

Baking Soda - Carbon and Hydrogen

Potassium sulphate - Sodium

Ans 7.
$$\frac{\text{Mass of solvent}}{\text{Mass of solution}} \times 100$$

$$= \frac{10}{550} \times 100$$

$$= 20g$$

20g of concentration of solution.

Ans 8.

Pure substance

Mixture

-> Pure substance consist of only one type of element

Mixture consist of two or more but not joined together chemical way

-> Pure substance has only one component

Elements and compound both are pure substance

-> Eg- Water is pure substance it consists of only water molecules

-> Eg- Smoke is a mixture as it has dust particles also.

-> The components don't need to separate

-> The components can be separated by simple physical methods.

Ans 9.	Compound	Mixture
->	Definite elements are present in definite ratio.	-> Substance can mix in any ratio.
->	Constituents lose their properties	-> Constituents retain their property
->	Elements combine chemically	-> Elements combine physically and mechanically
->		

- Ans 10. -> Physical change
- > Chemical change
 - > Physical change
 - > Chemical change
 - > Chemical change
 - > Chemical change
 - > Physical change.

Ans 11. True solution- homogenous transparent

Colloidal solution- homogenous translucent

Suspension solution- homogenous opaque