

1 How is sodium chloride different from its constituent elements sodium & chlorine. in its property justify.

ans Sodium is soft highly reactive metal & chlorine is a poisonous gas while sodium chloride is a non poisonous compound which is added to food

2 Name the element which form water. State 3 characteristics of water to justify it's a compound.

ans The element that form water are

i) hydrogen & oxygen

justification

1. Energy is needed to form water on combining oxygen & hydrogen.

2. water molecule cannot be separated into its constituents by any physical

3. It has two elements.

3. What's electrolysis.

ans Electrolysis is a chemical process in which electric current is passed through a compound in liquid state to separate its constituents.

4. Mention 3 gaseous elements & write their molecular formulae

- 1. Hydrogen - H_2
- 2. Oxygen - O_2
- 3. Chlorine - Cl_2

5. Metals are ductile malleable. What do you understand by this statement?

ans Metal can be stretched into thin wires due to ~~them~~ their ductile property & they can be beaten into thin sheets because of malleable property.