

1) Sodium is a metal that is stored in kerosene oil as it reacts very fast with air and water. Chlorine is a reactive greenish yellow gas which is poisonous. When these two elements combine chemically, they form the sodium chloride which is the salt that we use everyday. The salt (sodium chloride) is non-poisonous.

2) The elements which form water are:

* Hydrogen

* Oxygen

The water has entirely different

properties from the elements it is made up of. Hydrogen a gas catches fire. Oxygen a gas supporter of combustion.

1) Energy is needed to form water on combining O_2 with H_2 .

2) We cannot separate the constituents of water by simple physical means.

3) Electrolysis is a chemical process in which electric current is passed through a compound in liquid state to separate its elements.

4) Three gaseous elements

Hydrogen

Oxygen

Chlorine

Molecular Formula

H_2

O_2

Cl_2

5) Metals are ductile, i.e., they can be drawn or stretched into thin wires. They are malleable i.e., they can be beaten into thin sheets.

