

1. Ans - The properties of sodium chloride are completely different from those of sodium and chlorine.

Sodium is a soft, highly reactive metal. Chlorine is a poisonous non-metallic gas while sodium chloride is a very useful non-poisonous compound which is added to our food to get minerals and also to add taste to it.

2. Ans - Water is a compound because compounds are ~~not~~ made up of different elements in fixed proportion by mass likewise, in water molecule, hydro

gen and oxygen form compound  
 $H_2O$  in the ratio of 1.

3. Ans- Electrolysis is process by  
which electric current is passed through  
a substance to effect a chemical  
change.

4. Ans-

Three gaseous elements	Molecular formula	Atoms in one molecule
Hydrogen	$H_2$	2
Oxygen	$O_2$	2
Chlorine	$Cl_2$	2

5. Ans- Metals are ductile and malleable  
ductile means that a metal which

can be drawn into the thin sheets and malleable means pliable or the metals which can pressed in any shape easily without breaking or cracking.