

HW  
Expt. No.

1. How is sodium chloride different from its constituent elements, sodium and chlorine in its properties?

Ans Sodium chloride i.e. common salt ( $\text{NaCl}$ ) is a non-poisonous, white solid substance that we use in our food to add taste and to obtain some nutrition.

It is made up of two constituent elements sodium and chlorine.

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 very poisonous.

When these two elements combine chemically they form common salt i.e. sodium chloride.

So, sodium chloride is different from its constituent elements, sodium and chlorine in its properties.

- 2) Name the elements which form water. State three characteristics of water to justify that it is a compound.

Ans The elements which form water are: - element oxygen and hydrogen.



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

Ans → Metals are ductile and malleable means that metals can be drawn into thin wires and beaten into thin sheets.