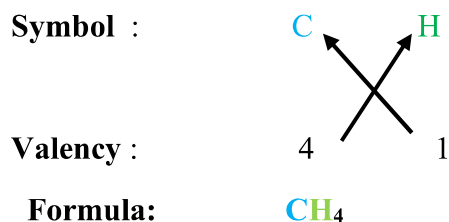
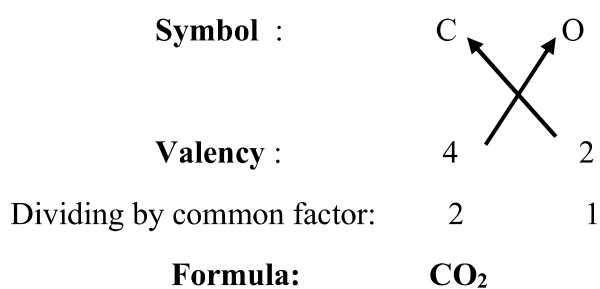


Chemical formula:  $\text{NH}_3$

6) Formula of Methane : the elements present in this compound carbon and hydrogen.

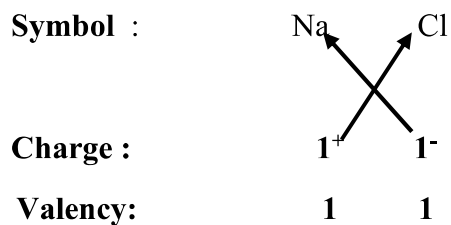


7) Formula of carbon dioxide : the elements present in this compound carbon and oxygen.



### 2} chemical formula of some simple ionic compound:

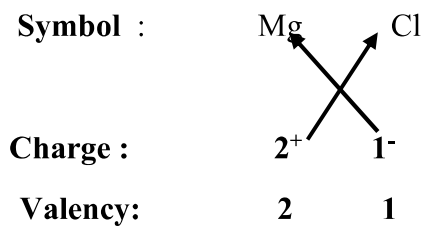
- Formula of sodium chloride:



So,  $\text{Na}1^+$  and  $\text{Cl}1^-$  charge is negligible or omitted. By the rules.

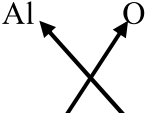
Chemical formula:  $\text{NaCl}$

- Formula of magnesium chloride:



**Chemical formula:**  $\text{MgCl}_2$

- **Formula of Aluminium oxide:  $\text{Al}_2\text{O}_3$**

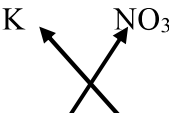
**Symbol:**  $\text{Al}$   $\text{O}$   
  
**Charge :**  $3^+$   $2^-$   
**Valency:** 3 2

**Formula :**  $\text{Al}_2\text{O}_3$

### **3}Chemical formulae of compound containing polyatomic ion:**

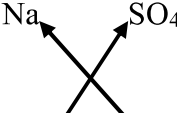
- **Formula of potassium nitrates:**

**Formula:**  $\text{KNO}_3$

**Symbol:**  $\text{K}$   $\text{NO}_3$   
  
**Charge :**  $1^+$   $1^-$   
**Valency:** 1 1

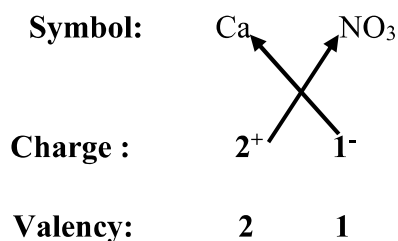
**Chemical formula:**  $\text{KNO}_3$

- **Formula sodium sulphate :  $\text{Na}_2\text{SO}_4$**

**Symbol:**  $\text{Na}$   $\text{SO}_4$   
  
**Charge :**  $1^+$   $2^-$   
**Valency:** 1 2

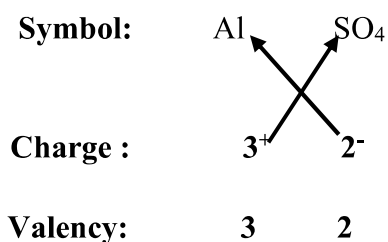
**Chemical formula:**  $\text{Na}_2\text{SO}_4$

- **Formula of calcium nitrate :**  $\text{Ca}(\text{NO}_3)_2$



**Chemical formula:**  $\text{Ca}(\text{NO}_3)_2$

- **Formula of Aluminium Sulphate:**  $\text{Al}_2(\text{SO}_4)_3$



**Chemical formula:**  $\text{Al}_2(\text{SO}_4)_3$

**Key word: Chemical formula**

**Question answer:**

- 1) **What is chemical formula?**

**Answer:** Chemical formula is showing all constituents of chemical compounds by chemical symbol in a fixed proportion or according to the valency of elements or atom.

- 2) **Write the rules of writing chemical formula?**

**Answer:** following are the rules of writing a chemical formula

- In case simple molecular compounds that is those which are made up of only two elements and hence also called binary compounds the symbol of