**Naming ionic compounds**

1. Cation(invariable charge) with single anion

Name of metal +base name of nonmetal +ide

1. Cation(invariable charge) with polyatomic anion

Name of metal+ name of polyatomic anion

1. Cation (variable charge) with single anion

Note

Write the charge of the cation in roman numbers

Name of metal(charge)+base name of nonmetal +ide

1. Cation (variable charge) with polyatomic anion

Name of metal(charge)+name of polyatomic anion

1. polyatomic cation with single anion

Name of polyatomic cation +base name of nonmetal +ide

1. polyatomic cation with polyatomic anion

Name of polyatomic cation +name of polyatomic anion

 **Naming Molecular Compounds**

 prefix+name of 1st element + prefix+ base name of 2nd element+ide

Note

If there is one atom in the first element, we do not write the prefix mono

|  |  |
| --- | --- |
| Mono=1 | Hexa=6 |
| Di=2 | Hepta=7 |
| Tri=3 | Octa=8 |
| Tetra=4 | Nona=9 |
| Penta=5 | Deca=10 |

 **Naming binary acids**

 hydro +base name of nonmetal +ice+acid