

Polyatomic Ions Chart

| Formula | Name | Formula | Name |
|------------------------------------|--------------|-------------------------------|------------------|
| NH_4^+ | Ammonium | CrO_4^{-2} | Chromate |
| NH_3 | Ammonia | $\text{Cr}_2\text{O}_7^{-2}$ | Dichromate |
| $\text{C}_2\text{H}_3\text{O}_2^-$ | Acetate | MnO_4^- | Permanganate |
| CH_3COO^- | Acetate | MnO_4^{-2} | Manganate |
| CN^- | Cyanide | NO_2^- | Nitrite |
| CO_3^{-2} | Carbonate | NO_3^- | Nitrate |
| HCO_3^- | Bicarbonate | OH^- | Hydroxide |
| $\text{C}_2\text{O}_4^{-2}$ | Oxalate | PO_4^{-3} | Phosphate |
| ClO^- | Hypochlorite | SCN^- | Thiocyanate |
| ClO_2^- | Chlorite | $\text{Fe}(\text{CN})_6^{-3}$ | Ferricyanide |
| ClO_3^- | Chlorate | SO_3^{-2} | Sulfite |
| ClO_4^- | Perchlorate | SO_4^{-2} | Sulfate |
| $\text{S}_2\text{O}_3^{-2}$ | Thiosulfate | HSO_4^- | Hydrogen sulfate |
| BrO^- | Hypobromite | IO_3^- | Iodate |
| AsO_2^{-3} | Arsenite | SeO_4^{-2} | Selenate |
| BrO_3^- | Bromate | HSO_3^- | Hydrogen sulfite |

Commonly Used Multivalent Metals

| Symbol | Name | -ous | -ic |
|------------------------------------|---------|------|-----|
| Fe (<i>Ferrum</i>) | Iron | +2 | +3 |
| Pb (<i>Plumbum</i>) | Lead | +2 | +4 |
| Sn (<i>Stannum</i>) | Tin | +2 | +4 |
| Hg (<i>Hydrargyrum</i>) | Mercury | +1 | +2 |
| Cu (<i>Cuprum</i>) | Copper | +1 | +2 |

Prefixes

| | |
|--------------|---------------|
| Mono = one | Hexa = six |
| Di = two | Hepta = seven |
| Tri = three | Octa = eight |
| Tetra = four | Nona = nine |
| Penta = five | Deca = ten |