

| POSITIVE IONS (CATIONS) | NEGATIVE IONS (ANIONS) |
|---|--|
| GROUP 1 Elements 1+ examples: | GROUP 16 Elements 2- the names end in "ide" examples: |
| lithium Li^+ | oxide O^{2-} |
| sodium Na^+ | sulfide S^{2-} |
| potassium K^+ | |
| GROUP 2 Elements 2+ examples: | GROUP 17 Elements 1- the names end in "ide" examples: |
| beryllium Be^{2+} | fluoride F^- |
| magnesium Mg^{2+} | chloride Cl^- |
| calcium Ca^{2+} | |
| POLYATOMIC CATION | POLYATOMIC ANIONS |
| ammonium NH_4^+ | acetate CH_3COO^- |
| TRANSITION ELEMENTS | carbonate CO_3^{2-} |
| require Roman numerals | hydrogen carbonate HCO_3^- (bicarbonate) |
| copper(I) Cu^+ | chlorate ClO_3^- |
| copper(II) Cu^{2+} | chromate CrO_4^{2-} |
| iron(II) Fe^{2+} | hydroxide OH^- |
| iron(III) Fe^{3+} | nitrate NO_3^- |
| lead(II) Pb^{2+} | nitrite NO_2^- |
| lead(IV) Pb^{4+} | oxalate $\text{C}_2\text{O}_4^{2-}$ |
| mercury(I) Hg_2^{2+} | permanganate MnO_4^- |
| mercury(II) Hg^{2+} | phosphate PO_4^{3-} |
| nickel(II) Ni^{2+} | sulfate SO_4^{2-} |
| tin(II) Sn^{2+} | sulfite SO_3^{2-} |
| tin(IV) Sn^{4+} | |
| (not requiring Roman numerals) | hydride H^- |
| zinc Zn^{2+} | |
| cadmium Cd^{2+} | |
| silver Ag^+ | |
| MISC | |
| aluminum Al^{3+} | |
| hydrogen H^+ | |