

**Prefixes for Molecular Names**

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| **Prefix** | **Number** |
| mono-di-tri-tetra-penta-hexa-hepta-octa-nona-deca- | 12345678910 |

**Element Electronegativities**

**Common Transition Metal Charges**

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| --- | --- |
| **Formula** | **Name** |
| Cu1+Cu2+Fe2+Fe3+Hg22+Hg2+Pb2+Pb4+Sn2+Sn4+Cr2+Cr3+Mn2+Mn3+Co2+Co3+Zn2+Ni2+Ni3+Ag1+ | Copper (II) ionCopper (III) ionIron (II) ionIron (III) ionMercury (I) ionMercury (II) ionLead (II) ionLead (IV) ionTin (II) ionTin (IV) ionChromium (II) ionChromium (III) ionManganese (II) ionManganese (III) ionCobalt (II) ionCobalt (III) ionZinc (II) ionNickel (II) ionNickel (III) ionSilver (I) ion |

**Common Polyatomic Ions, by Charge**

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| **2+** | **1-** | **2-** |
| Hg22+*mercury (l) or or mercurous* | C2H3O2-*acetate*ClO3-*chlorate*ClO2-*chlorite*CN- *cyanide*H2PO4-*dihydrogen phosphate*HCO3-*hydrogen carbonate b or bicarbonate*HSO4-*hydrogen sulfate bisul or bisulfate*OH- *hydroxide*ClO- *hypochlorite*NO3-*nitrate*NO2-*nitrite*ClO4-*perchlorate*MnO4-*permanganate*SCN- *thiocyanate* | CO32-*carbonate*CrO42-*chromate*Cr2O72-*dichromate*HPO42-*hydrogen phos phosphate*O22-*peroxide*SO42-*sulfate*SO32-*sulfite*S2O32-*thiosulfate* |
| **1+** | **3-** |
| NH4+*ammonium*H3O+ *hydronium* | PO43-*phosphate* |