

NAMES, FORMULAS, AND CHARGES OF SOME COMMON IONS

| 1+ | | 2+ | | 3+ | |
|---|--|--|---|--|---|
| ammonium cesium copper(I) [cuprous] gold hydrogen lithium potassium silver sodium | NH_4^{1+} Cs^{1+} Cu^{1+} Au^{1+} H^{1+} Li^{1+} K^{1+} Ag^{1+} Na^{1+} | barium beryllium calcium cobalt(II) [cobaltous] copper(II) [cupric] iron(II) [ferrous] lead(II) [plumbous] magnesium manganese(II) [manganous] mercury(I) [mercurous] mercury(II) [mercuric] nickel(II) tin(II) [stannous] zinc | Ba^{2+} Be^{2+} Ca^{2+} Co^{2+} Cu^{2+} Fe^{2+} Pb^{2+} Mg^{2+} Mn^{2+} Hg_2^{2+} Hg^{2+} Ni^{2+} Sn^{2+} Zn^{2+} | aluminum boron chromium(III) [chromic] cobalt(III) [cobaltic] iron(III) [ferric] | Al^{3+} B^{3+} Cr^{3+} Co^{3+} Fe^{3+} |
| | | | | 4+ | |
| | | | | lead(IV) [plumbic] silicon tin(IV) [stannic] | Pb^{4+} Si^{4+} Sn^{4+} |
| 1- | | 2- | | 3- | |
| acetate bicarbonate [H-carbonate] bisulfate [H-sulfate] fluoride chloride bromide iodide perchlorate chlorate chlorite hypochlorite cyanide hydride hydroxide nitrate nitrite permanganate thiocyanate | $\text{C}_2\text{H}_3\text{O}_2^{1-}$ HCO_3^{1-} HSO_4^{1-} F^{1-} Cl^{1-} Br^{1-} I^{1-} ClO_4^{1-} ClO_3^{1-} ClO_2^{1-} ClO^{1-} CN^{1-} H^{1-} OH^{1-} NO_3^{1-} NO_2^{1-} MnO_4^{1-} SCN^{1-} | carbonate chromate dichromate oxalate oxide peroxide sulfide sulfate sulfite <u>REFERENCE (not to memorize)</u> bromate tartrate tetraborate thiosulfate | CO_3^{2-} CrO_4^{2-} $\text{Cr}_2\text{O}_7^{2-}$ $\text{C}_2\text{O}_4^{2-}$ O^{2-} O_2^{2-} S^{2-} SO_4^{2-} SO_3^{2-} BrO_3^{1-} $\text{C}_4\text{H}_4\text{O}_6^{2-}$ $\text{B}_4\text{O}_7^{2-}$ $\text{S}_2\text{O}_3^{2-}$ | nitride phosphide phosphate | N^{3-} P^{3-} PO_4^{3-} |
| | | | | 4- | |
| | | | | silicate [orthosilicate] | SiO_4^{4-} |