Charges, Names and Formulas of Common Ions

Positive Ions (Cations)

+1 Charge

Name Formula

Ammonium NH4+

Copper (I) Cu+

Lithium Li+

Potassium K+

Silver Ag+

Sodium Na+

+2 Charge

Name Formula

Barium Ba2+

Calcium Ca2+

Copper (II) Cu2+

Iron (II) Fe2+

Lead (II) Pb2+

Magnesium Mg2+

Nickel Ni2+

Strontium Sr2+

Tin (II) Sn2+

Zinc Zn2+

+3 Charge

Name Formula

Aluminum Al3+

Iron (III) Fe3+

+4 Charge

Name Formula

Lead (IV) Pb4+

Tin (IV) Sn4+

Negative Ions (Anions)

-1 Charge

Name Formula

Acetate C2H302−

Bromide Br−

Chloride Cl−

Dihydrogen Phosphate H2PO4−

Fluoride F−

Hydroxide OH−

Hydrogen Carbonate HCO3−

Hydrogen Sulfate HSO4−

Hypochlorite ClO−

Iodide I−

Nitrate NO3−

Permanganate MnO4−

Thiocyanate SCN−

-2 Charge

Name Formula

Carbonate CO32−

Chromate CrO42−

Dichromate Cr2O72−

Hydrogen Phosphate HPO42−

Oxide O2−

Oxalate C2O42−

Sulfate SO42−

Sulfite SO32−

-3Charge

Name Formula

Nitride N3−

Phosphate PO43−