

Common Positive and Negative Ions

Cation (positive ions)	Mass g/mole	Symbol & Charge	Anion (negative ions)	Mass g/mole	Symbol & Charge
Copper (I)(cuprous)	63.5	Cu ⁺	Bromide	79.9	Br ⁻
Gold (I)(aurous)	197	Au ⁺	Chloride	35.5	Cl ⁻
Hydrogen	1.01	H ⁺	Fluoride	19.0	F ⁻
Lithium	6.94	Li ⁺	Hydride	1.01	H ⁻
Mercury(I)(mercurous)	201	Hg ⁺	Iodide	127	I ⁻
Potassium	39.1	K ⁺			
Silver	108	Ag ⁺	Oxide	16.0	O ²⁻
Sodium	23.0	Na ⁺	Sulfide	32.1	S ²⁻
Barium	137	Ba ²⁺	Nitride	14.0	N ³⁻
Beryllium	9.01	Be ²⁺	Phosphide	31.0	P ³⁻
Calcium	40.1	Ca ²⁺			
Chromium(II)(chromous)	52.0	Cr ²⁺	Carbide	12.0	C ⁴⁻
Cobalt(II)(cobaltous)	58.9	Co ²⁺			
Copper(II)(cupric)	63.5	Cu ²⁺	Acetate	59.0	CH ₃ COO ⁻
Iron(II)(ferrous)	55.8	Fe ²⁺	Bicarbonate	61.0	HCO ₃ ⁻
Lead (II) (plumbous)	207	Pb ²⁺	Chlorate	83.5	ClO ₃ ⁻
Magnesium	24.3	Mg ²⁺	Chlorite	67.5	ClO ₂ ⁻
Manganese(II)(manganous)	54.9	Mn ²⁺	Hydroxide	17.0	OH ⁻
Mercury(II)(mercuric)	201	Hg ²⁺	Hypochlorite	51.5	ClO ⁻
Nickel	58.7	Ni ²⁺	Nitrate	62.0	NO ₃ ⁻
Strontium	87.6	Sr ²⁺	Nitrite	46.0	NO ₂ ⁻
Tin(II)(stannous)	119	Sn ²⁺	Bioxalate	89.0	HC ₂ O ₄ ⁻
Zinc	65.4	Zn ²⁺	Perchlorate	99.5	ClO ₄ ⁻
			Permanganate	119	MnO ₄ ⁻
Aluminum	27.0	Al ³⁺	Dihydrogen phosphate	97.0	H ₂ PO ₄ ⁻
Chromium(III)(chromic)	52.0	Cr ³⁺	Bisulfate	97.1	HSO ₄ ⁻
Iron(III)(ferric)	55.8	Fe ³⁺	Bisulfide	33.1	HS ⁻
Gold(III)(auric)	197	Au ³⁺	Bisulfite	81.1	HSO ₃ ⁻
			Cyanide	26.0	CN ⁻
Carbon	12.0	C ⁴⁺	Thiocyanate	58.1	SCN ⁻
Lead (IV) (plumbic)	207	Pb ⁴⁺			
Tin(IV)(stannic)	119	Sn ⁴⁺			
			Carbonate	60.0	CO ₃ ²⁻
Ammonium	18.0	NH ₄ ⁺	Chromate	116	CrO ₄ ²⁻
			Dichromate	216	Cr ₂ O ₇ ²⁻
			Biphosphate	96.0	HPO ₄ ²⁻
			Sulfate	96.1	SO ₄ ²⁻
			Sulfite	80.1	SO ₃ ²⁻
			Biphosphite	80.0	HPO ₃ ²⁻
			Oxalate	88.0	C ₂ O ₄ ²⁻
			Phosphate	95.0	PO ₄ ³⁻
			Phosphite	79.0	PO ₃ ³⁻
			Pyrophosphate	174	P ₂ O ₇ ⁴⁻
			Orthosilicate	92.1	SiO ₄ ⁴⁻

Ionic Compound.....

Cation + anion [metal + non-metal]

Covalent Compound....

anion + anion [non-metal + non-metal]

Covalent Prefixes...

1-mono 2-di 3-tri 4-tetra 5-penta
6-hexa 7-hepta 8-octa 9-nona 10-deca