

Common Oxidation States for Monatomic Ions

H ⁺ hydrogen ion	Be ²⁺ beryllium ion	Al ³⁺ aluminum ion	N ³⁻ nitride ion	O ²⁻ oxide ion	H ⁻ hydride ion
Li ⁺ lithium ion	Mg ²⁺ magnesium ion		P ³⁻ phosphide ion	S ²⁻ sulfide ion	F ⁻ fluoride ion
Na ⁺ sodium ion	Ca ²⁺ calcium ion		Se ²⁻ selenide ion	Br ⁻ bromide ion	
K ⁺ potassium ion	Sr ²⁺ strontium ion			I ⁻ iodide ion	
Rb ⁺ rubidium ion	Ba ²⁺ barium ion				
Cs ⁺ cesium ion	Cd ²⁺ cadmium ion				
Ag ⁺ silver ion	Zn ²⁺ zinc ion				

Common Metal Ions with More than One Ionic Charge

Formula	Common Name	Latin Name
Cu ⁺	Copper (I) ion	Cuprous ion
Cu ²⁺	Copper (II) ion	Cupric ion
Fe ²⁺	Iron (II) ion	Ferrous ion
Fe ³⁺	Iron (III) ion	Ferric ion
Hg ²⁺	Mercury (II) ion	Mercuric ion
Hg ₂ ²⁺	Mercury (I) ion	Mercurous ion
Pb ²⁺	Lead (II) ion	Plumbous ion
Pb ⁴⁺	Lead (IV) ion	Plumbic ion
Sn ²⁺	Tin (II) ion	Stannous ion
Sn ⁴⁺	Tin (IV) ion	Stannic ion
Cr ²⁺	Chromium (II) ion	Chromous ion
Cr ³⁺	Chromium (III) ion	Chromic ion
Mn ²⁺	Manganese (II) ion	Manganous ion
Mn ³⁺	Manganese (III) ion	Manganic ion
Co ²⁺	Cobalt (II) ion	Cobaltous ion
Co ³⁺	Cobalt (III) ion	Cobaltic ion
Au ¹⁺	Gold (I) ion	Aurous ion
Au ³⁺	Gold (III) ion	Auric ion

Common Polyatomic Ions

C ₂ H ₃ O ₂ ⁻ acetate	CO ₃ ²⁻ carbonate	PO ₄ ³⁻ phosphate	HCO ₃ ⁻ bicarbonate (hydrogen carbonate)
CN ⁻ cyanide	CrO ₄ ²⁻ chromate	PO ₃ ³⁻ phosphite	HSO ₄ ⁻ bisulfate (hydrogen sulfate)
OH ⁻ hydroxide	Cr ₂ O ₇ ²⁻ dichromate		HSO ₃ ⁻ bisulfite (hydrogen sulfite)
NO ₃ ⁻ nitrate	C ₂ O ₄ ²⁻ oxalate		HPO ₄ ²⁻ biphosphate (hydrogen phosphate)
NO ₂ ⁻ nitrite	SiO ₃ ²⁻ silicate		HPO ₃ ²⁻ biphosphite (hydrogen phosphite)
MnO ₄ ⁻ permanganate	SO ₄ ²⁻ sulfate		H ₂ PO ₄ ⁻ dihydrogen phosphate
ClO ⁻ hypochlorite	SO ₃ ²⁻ sulfite		H ₂ PO ₃ ⁻ dihydrogen phosphite
ClO ₂ ⁻ chlorite	S ₂ O ₃ ²⁻ thiosulfate		
ClO ₃ ⁻ chlorate	O ₂ ²⁻ peroxide		
ClO ₄ ⁻ perchlorate			
BrO ⁻ hypobromite			
BrO ₂ ⁻ bromite			NH ₄ ⁺ ammonium ion
BrO ₃ ⁻ bromate			
BrO ₄ ⁻ perbromate			
IO ₃ ⁻ iodate			

Diatomic Molecules

H ₂ hydrogen	N ₂ nitrogen	O ₂ oxygen	F ₂ fluorine	Cl ₂ chlorine	Br ₂ bromine	I ₂ iodine
-------------------------	-------------------------	-----------------------	-------------------------	--------------------------	-------------------------	-----------------------