

Common Ions & Some Oxidation States

Common Ions of the Elements

IA:	H⁺, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺
IIA:	Be²⁺, Mg²⁺, Ca²⁺, Sr²⁺, Ba²⁺
IIIA:	B³⁺, Al³⁺, Tl⁺/Tl³⁺
IVA:	Sn²⁺/Sn⁴⁺, Pb²⁺/Pb⁴⁺
VA:	N³⁻, P³⁻, As³⁺/As⁵⁺, Sb³⁺/Sb⁵⁺, Bi³⁺/Bi⁵⁺
VIA:	O²⁻, S²⁻
VIIA:	F⁻, Cl⁻, Br⁻, I⁻
IIIB:	
IVB:	Ti³⁺/Ti⁴⁺
VB:	
VIB:	Cr²⁺/Cr³⁺
VIIIB:	Mn²⁺/Mn³⁺
VIIIB:	Fe²⁺/Fe³⁺, Co²⁺/Co³⁺, Ni²⁺, Pt²⁺
IB:	Cu⁺/Cu²⁺, Ag⁺, Au⁺/Au³⁺
IIB:	Zn²⁺, Cd²⁺, Hg²⁺/Hg²⁺

Common Polyatomic Ions

Acetate	CH₃CO₂⁻ or C₂H₃O₂⁻	Bicarbonate	HCO₃⁻
Ammonium	NH₄⁺	Carbonate	CO₃²⁻
Cyanide	CN⁻	Perchlorate	ClO₄⁻
Hydroxide	OH⁻	Chlorate	ClO₃⁻
Oxalate	C₂O₄²⁻	Chlorite	ClO₂⁻
Permanganate	MnO₄⁻	Hypochlorite	ClO⁻
Nitrate	NO₃⁻		
Nitrite	NO₂⁻		
Chromate	CrO₄²⁻		
Dichromate	Cr₂O₇²⁻		
Bisulfate	HSO₄⁻	Phosphate	PO₄³⁻
Sulfate	SO₄²⁻	Hydrogen Phosphate	HPO₄²⁻
Bisulfite	HSO₃⁻	Dihydrogen Phosphate	H₂PO₄⁻
Sulfite	SO₃²⁻		
Thiosulfate	S₂O₃²⁻		

Ions are in Boldface. Others are common oxidation states.