

Positive and Negative Ion Names and Formulas

Monatomic Ions

+1		2+		+3		+4	
Hydrogen	H⁺	Beryllium	Be²⁺	Aluminum	Al³⁺	Lead (IV) or	Pb⁴⁺
Lithium	Li⁺	Magnesium	Mg²⁺	Gold (III) or	Au³⁺	Plumbic	Sn⁴⁺
Sodium	Na⁺	Calcium	Ca²⁺	Auric		Tin (IV) or	
Potassium	K⁺	Strontium	Sr²⁺	Iron (III) or	Fe³⁺	Stannic	
Rubidium	Rb⁺	Barium	Ba²⁺	Ferric			
Cesium	Cs⁺	Zinc	Zn²⁺	Nickel (III)	Ni³⁺		
Copper (I) or	Cu⁺	Copper (II) or	Cu²⁺				
Cuprous		Cupric					
Gold (I) or	Au⁺	Tin (II) or	Sn²⁺				
Aurous		Stannous					
Silver	Ag⁺	Nickel (II)	Ni²⁺				
		Iron (II) or	Fe²⁺				
		Ferrous					
		Mercury (II) or	Hg²⁺				
		Mercuric					
		Lead (II) or	Pb²⁺				
		Plumbous					

-1		-2		-3		-4	
Hydride	H⁻	Oxide	O²⁻	Nitride	N³⁻	Carbide	C⁴⁻
Fluoride	F⁻	Sulfide	S²⁻	Phosphide	P³⁻		
Chloride	Cl⁻	Selenide	Se²⁻	Arsenide	As³⁻		
Bromide	Br⁻	Telluride	Te²⁻				
Iodide	I⁻						

Polyatomic Ions

+1		+2			
Ammonium	NH₄⁺	Mercury (I) or	Hg₂⁺²		
		Mercurous			

-1		-2		-3		
Acetate	C₂H₃O₂⁻	Carbonate	CO₃⁻²	Phosphate	PO₄⁻³	
Cyanide	CN⁻	Chromate	CrO₄⁻²			
Hydroxide	OH⁻	Dichromate	Cr₂O₇⁻²			
Permanganate	MnO₄⁻	Peroxide	O₂⁻²			
Nitrate	NO₃⁻	Hydrogen phosphate	HPO₄⁻²			
Nitrite	NO₂⁻	Thiosulfate	S₂O₃⁻²			
Perchlorate	ClO₄⁻	Persulfate	SO₅⁻²			
Chlorate	ClO₃⁻	Sulfate	SO₄⁻²			
Chlorite	ClO₂⁻	Sulfite	SO₃⁻²			
Hypochlorite	ClO⁻	Oxalate	C₂O₄⁻²			
Dihydrogen phosphate	H₂PO₄⁻	Silicate	SiO₃⁻²			
Hydrogen carbonate (Bicarbonate)	HCO₃⁻					
Hydrogen sulfate (Bisulfate)	HSO₄⁻					