

CATIONS FORMED BY SOME TRANSITION AND POST-TRANSITION ELEMENTS

Chromium	Cr ²⁺ (chromous) Cr ³⁺ (chromic)	Gold	Au ⁺ (aurous) Au ³⁺ (auric)
Iron	Fe ²⁺ (ferrous) Fe ³⁺ (ferric)	Mercury	Hg ₂ ²⁺ (mercurous) Hg ²⁺ (mercuric)
Cobalt	Co ²⁺ (cobaltous) Co ³⁺ (cobaltic)	Tin	Sn ²⁺ (stannous) Sn ⁴⁺ (stannic)
Manganese	Mn ²⁺ (manganous) Mn ³⁺ (manganite)	Lead	Pb ²⁺ (plumbous) Pb ⁴⁺ (plumbic)
Copper	Cu ⁺ (cuprous) Cu ²⁺ (cupric)	Cadmium	Cd ²⁺
Nickel	Ni ²⁺	Zinc	Zn ²⁺
Silver	Ag ⁺	Bismuth	Bi ³⁺
Titanium	Ti ²⁺	Aluminum	Al ³⁺

Some Common Polyatomic Ions

Ammonium	NH ₄ ⁺	Dihydrogen phosphate	H ₂ PO ₄ ⁻
Hydronium	H ₃ O ⁺	Sulfite	SO ₃ ²⁻
Acetate	C ₂ H ₃ O ₂ ⁻	Hydrogen sulfite (Bisulfite)	HSO ₃ ⁻
Carbonate	CO ₃ ²⁻	Sulfate	SO ₄ ²⁻
Hydrogen carbonate (Bicarbonate)	HCO ₃ ⁻	Hydrogen sulfate (Bisulfate)	HSO ₄ ⁻
Hypochlorite	ClO ⁻	Thiosulfate	S ₂ O ₃ ²⁻
Chlorite	ClO ₂ ⁻	Bromite	BrO ₂ ⁻
Chlorate	ClO ₃ ⁻	Bromate	BrO ₃ ⁻
Perchlorate	ClO ₄ ⁻	Perbromate	BrO ₄ ⁻
Chromate	CrO ₄ ²⁻	Tellurate	TeO ₆ ⁶⁻
Dichromate	Cr ₂ O ₇ ²⁻	Borate	BO ₃ ³⁻
Cyanate	OCN ⁻	Arsenate	AsO ₄ ³⁻
Thiocyanate	SCN ⁻	Iodate	IO ₃ ⁻
Cyanide	CN ⁻	Periodate	IO ₄ ⁻
Hydroxide	OH ⁻	Peroxide	O ₂ ²⁻
Nitrite	NO ₂ ⁻	Thiocyanate	SCN ⁻
Nitrate	NO ₃ ⁻	Hydrogen sulfide (Bisulfide)	HS ⁻
Oxalate	C ₂ O ₄ ²⁻	Silicate	SiO ₃ ²⁻
Permanganate	MnO ₄ ⁻	Selenate	SeO ₄ ²⁻
Phosphate	PO ₄ ³⁻	Ferricyanide	Fe(CN) ₆ ³⁻
Hydrogen Phosphate (Biphosphate)	HPO ₄ ²⁻	Ferrocyanide	Fe(CN) ₅ ⁴⁻