

Common Ions

CATIONS (+ve)			ANIONS (-ve)		
Name	Symbol/ Formula	Alternative*	Name	Symbol/ Formula	Alternative*
Aluminum	Al ³⁺		Bromide	Br ⁻	
Ammonium	NH ₄ ⁺		Bromate (I)	BrO ⁻	(Hypobromite)
Arsenic (III)	As ³⁺		Bromate (III)	BrO ₂ ⁻	(Bromite)
Arsenic (V)	As ⁵⁺		Bromate (V)	BrO ₃ ⁻	(Bromate)
Barium	Ba ²⁺		Bromate (VII)	BrO ₄ ⁻	(Perbromate)
Bismuth (III)	Bi ³⁺		Carbonate	CO ₃ ²⁻	
Bismuth (V)	Bi ⁵⁺		Chlorate (I)	ClO ⁻	(Hypochlorite)
Cadmium	Cd ²⁺		Chlorate (III)	ClO ₂ ⁻	(Chlorite)
Calcium	Ca ²⁺		Chlorate (V)	ClO ₃ ⁻	(Chlorate)
Chromium (II)	Cr ²⁺		Chlorate (VII)	ClO ₄ ⁻	(Perchlorate)
Chromium (III)	Cr ³⁺		Chloride	Cl ⁻	
Cobalt (II)	Co ²⁺		Chromate	CrO ₄ ²⁻	
Cobalt (III)	Co ³⁺		Cyanide	CN ⁻	
<u>Copper (I)</u>	Cu ⁺	(Cuprous)	Dichromate	Cr ₂ O ₇ ²⁻	
<u>Copper (II)</u>	Cu ²⁺	(Cupric)	Dihydrogen Phosphate	H ₂ PO ₄ ⁻	
Hydrogen	H ⁺		Ethanoate	C ₂ H ₃ O ₂ ⁻	(Acetate)
Hydronium	H ₃ O ⁺		Fluoride	F ⁻	
<u>Iron (II)</u>	Fe ²⁺	(Ferrous)	Hydride	H ⁻	
<u>Iron (III)</u>	Fe ³⁺	(Ferric)	<u>Hydrogen Carbonate</u>	HCO ₃ ⁻	(Bicarbonate)
<u>Lead (II)</u>	Pb ²⁺	(Plumbous)	<u>Hydrogen Oxalate</u>	HC ₂ O ₄ ⁻	(Binoxalate)
<u>Lead (IV)</u>	Pb ⁴⁺	(Plumbic)	Hydrogen Phosphate	HPO ₄ ²⁻	
Lithium	Li ⁺		<u>Hydrogen Sulfate</u>	HSO ₄ ⁻	(Bisulfate)
Magnesium	Mg ²⁺		<u>Hydrogen Sulfide</u>	HS ⁻	(Bisulfide)
Manganese (II)	Mn ²⁺		<u>Hydrogen Sulfite</u>	HSO ₃ ⁻	(Bisulfite)
Manganese (IV)	Mn ⁴⁺		Hydroxide	OH ⁻	
<u>Mercury (I)</u>	Hg ₂ ²⁺	(Mercurous)	Iodate (I)	IO ⁻	(Hypoiodite)
<u>Mercury (II)</u>	Hg ²⁺	(Mercuric)	Iodate (III)	IO ₂ ⁻	(Iodite)
Nickel (II)	Ni ²⁺		Iodate (V)	IO ₃ ⁻	(Iodate)
Potassium	K ⁺		Iodate (VII)	IO ₄ ⁻	(Periodate)
Silver	Ag ⁺		Iodide	I ⁻	
Sodium	Na ⁺		Manganate (VII)	MnO ₄ ⁻	(Permanganate)
Strontium	Sr ²⁺		Nitrate	NO ₃ ⁻	
<u>Tin (II)</u>	Sn ²⁺	(Stannous)	Nitride	N ³⁻	
<u>Tin (IV)</u>	Sn ⁴⁺	(Stannic)	Nitrite	NO ₂ ⁻	
Zinc	Zn ²⁺		<u>Oxalate</u>	C ₂ O ₄ ²⁻	(Ethandioate)
			Oxide	O ²⁻	
			Peroxide	O ₂ ²⁻	
			Phosphate	PO ₄ ³⁻	
			Phosphide	P ³⁻	
			Phosphite	PO ₃ ³⁻	
			Sulfate	SO ₄ ²⁻	
			Sulfide	S ²⁻	
			Sulfite	SO ₃ ²⁻	
			Thiosulfate	S ₂ O ₃ ²⁻	
			Thiocyanate	SCN ⁻	

* In the case of the cations, the alternative names are generally redundant in modern chemistry, but the anions *sometimes* use the alternate names. E.g. the oxyhalogen ions (bromate, chlorate, iodate etc.) are usually referred to by the alternate names, but HSO₃⁻ is more commonly called Hydrogen Sulfite. In each case where two names are given, the more common one used in the United States is underlined.