

Common Polyatomic Ions

<i>Formula</i>	<i>Name</i>	<i>Formula</i>	<i>Name</i>
NH ₄ ⁺	ammonium	PO ₄ ³⁻	phosphate
CN ⁻	cyanide	HPO ₄ ²⁻	hydrogenphosphate
OCN ⁻	cyanate	H ₂ PO ₄ ⁻	dihydrogenphosphate
SCN ⁻	thiocyanate	AsO ₄ ³⁻	arsenate
C ₂ H ₃ O ₂ ⁻	acetate	SH ⁻	hydrogensulfide
C ₂ O ₄ ²⁻	oxalate	SO ₃ ²⁻	sulfite
CO ₃ ²⁻	carbonate	HSO ₃ ⁻	hydrogensulfite (bisulfite)
HCO ₃ ⁻	hydrogencarbonate (bicarbonate)	SO ₄ ²⁻	sulfate
N ₃ ⁻	azide*	HSO ₄ ⁻	hydrogensulfate
NO ₂ ⁻	nitrite	ClO ⁻	hypochlorite
NO ₃ ⁻	nitrate	ClO ₂ ⁻	chlorite
OH ⁻	hydroxide	ClO ₃ ⁻	chlorate
O ₂ ²⁻	peroxide*	ClO ₄ ⁻	perchlorate
HO ₂ ⁻	hydroperoxide*	IO ₃ ⁻	iodate
O ₂ ⁻	superoxide*	IO ₄ ⁻	periodate
PF ₆ ⁻	hexafluorophosphate	BrO ₃ ⁻	bromate
BF ₄ ⁻	tetrafluoroborate	CrO ₄ ²⁻	chromate*
Fe(CN) ₆ ³⁻	ferricyanide*	Cr ₂ O ₇ ²⁻	dichromate*
Fe(CN) ₆ ²⁻	ferrocyanide*	MnO ₄ ⁻	permanganate*

Names given in parentheses are common trivial names for these ions. Entries marked with a '*' indicate trivial names for these ions (no systematic name given).

Non-Standard Root Names of the Elements

<i>Element</i>	<i>Root</i>	<i>Element</i>	<i>Root</i>	<i>Element</i>	<i>Root</i>
H	hydr-	P	phosph-	As	arsen-
B	bor-	S	sulf-	Sn	stann-
C	carb-	Mn	mangan-	Sb	stib-
N	nitr-	Fe	ferr-	Au	aur-
O	ox-	Co	cobalt-	Hg	mercur-
Si	silic-	Cu	cupr-	Pb	plumb-

Numerical Prefixes used in Naming Chemical Compounds

<u>Prefix</u>	<u>Number</u>	<u>Prefix</u>	<u>Number</u>
mono-	1	hepta-	7
di-	2	octa-	8
tri-	3	nona-	9
tetra-	4	deca-	10
penta-	5	undeca-	11
hexa-	6	dodeca-	12