

Common Nonmetallic ROOTS

H = hydr-	B = bor-
C = carb-	N = nitr-
O = ox-	F = fluor-
Si = silic-	P = phosph-
S = sulf-	Cl = chlor-
As = arsen-	Se = selen-
Br = brom-	Sb = antimony-
I = iod-	

Common NONMETAL Ions

S ²⁻ sulfide	Br ¹⁻ bromide
F ¹⁻ fluoride	H ¹⁻ hydride
Cl ¹⁻ chloride	I ¹⁻ iodide
P ³⁻ phosphide	O ²⁻ oxide
N ³⁻ nitride	Se ³⁻ selenide

Greek PREFIXES

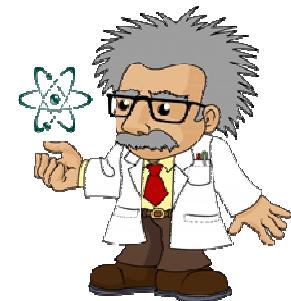
mono- one	hexa- six
di- two	hepta- seven
tri- three	octa- eight
tetra- four	nona- nine
penta- five	deca- ten

Common METAL Ions

Cu ⁺ copper (I) (cuprous)	Mn ²⁺ manganese (II)
Cu ²⁺ copper (II) (cupric)	Ni ²⁺ nickel (II)
Fe ²⁺ iron (II) (ferrous)	Cr ²⁺ chromium (II)
Fe ³⁺ iron (III) (ferric)	Cr ³⁺ chromium (III)
Hg ₂ ²⁺ mercury (I) (mercurious)	Co ²⁺ cobalt (II)
Hg ²⁺ mercury (II) (mercuric)	
Pb ²⁺ lead (II) (plumbous)	
Pb ⁴⁺ lead (IV) (plumbic)	
Sn ²⁺ tin (II) (stannous)	
Sn ⁴⁺ tin (IV) (stannic)	

Polyatomic Ions

BrO ₃ ⁻ bromate ion
BrO ₄ ⁻ perbromate
B ₄ O ₇ ²⁻ tetraborate
C ₂ H ₃ O ₂ ⁻ acetate ion (CH ₃ COO ⁻)
C ₆ H ₅ O ₇ ³⁻ citrate ion
ClO ⁻ hypochlorite ion
ClO ₂ ⁻ chlorite ion
ClO ₃ ⁻ chlorate ion
ClO ₄ ⁻ perchlorate ion
CN ⁻ cyanide ion
CO ₃ ²⁻ carbonate ion
C ₂ O ₄ ²⁻ oxalate ion
CrO ₄ ²⁻ chromate ion
Cr ₂ O ₇ ²⁻ dichromate ion
HPO ₄ ²⁻ hydrogen phosphate ion



HSO ₄ ⁻ hydrogen sulfate ion
HCO ₃ ⁻ hydrogen carbonate ion
H ₂ PO ₄ ⁻ dihydrogen phosphate ion
IO ₃ ⁻ iodate ion
IO ₄ ⁻ periodate ion
MnO ₄ ⁻ permanganate ion
NH ₄ ⁺ ammonium ion
NO ₂ ⁻ nitrite ion
NO ₃ ⁻ nitrate ion
O ₂ ²⁻ peroxide ion
OH ⁻ hydroxide ion
PO ₃ ³⁻ phosphite ion
PO ₄ ³⁻ phosphate ion
SCN ⁻ thiocyanate ion
SeO ₃ ²⁻ selenite ion
SeO ₄ ²⁻ selenate ion