

NAMES, FORMULAE AND CHARGES OF SOME COMMON IONS

Positive Ions

Al^{+3} Aluminum	Pb^{+4} Lead (IV)
NH_4^{+1} Ammonium	Li^{+1} Lithium
Ba^{+2} Barium	Mg^{+2} Magnesium
Ca^{+2} Calcium	Mn^{+2} Manganese (II)
Cr^{+2} Chromium (II)	Mn^{+4} Manganese (IV)
Cr^{+3} Chromium (III)	Hg_2^{+2} Mercury (I)
Cu^{+1} Copper (I)	Hg^{+2} Mercury (II)
Cu^{+2} Copper (II)	K^{+1} Potassium
H^{+1} Hydrogen	Ag^{+1} Silver
H_3O^{+1} Hydronium	Na^{+1} Sodium
Fe^{+2} Iron (II)	Sn^{+2} Tin (II)
Fe^{+3} Iron (III)	Sn^{+4} Tin (IV)
Pb^{+2} Lead (II)	Zn^{+2} Zinc

Negative Ions

Br^{-1} Bromide	OH^{-1} Hydroxide
CO_3^{-2} Carbonate	ClO^{-1} Hypochlorite
ClO_3^{-1} Chlorate	I^{-1} Iodide
Cl^{-1} Chloride	HPO_4^{-2} Monohydrogen phosphate
ClO_2^{-1} Chlorite	NO_3^{-1} Nitrate
CrO_4^{-2} Chromate	NO_2^{-1} Nitrite
CN^{-1} Cyanide	$\text{C}_2\text{O}_4^{-2}$ Oxalate
$\text{Cr}_2\text{O}_7^{-2}$ Dichromate	O^{-2} Oxide
$\text{H}_2\text{PO}_4^{-1}$ Dihydrogen phosphate	ClO_4^{-1} Perchlorate
$\text{CH}_3\text{COO}^{-1}$ Ethanoate, acetate	MnO_4^{-1} Permanganate
F^{-1} Fluoride	PO_4^{-3} Phosphate
HCO_3^{-1} Hydrogen carbonate, bicarbonate	SO_4^{-2} Sulphate
$\text{HC}_2\text{O}_4^{-1}$ Hydrogen oxalate, binoxalate	S^{-2} Sulphide
HSO_4^{-1} Hydrogen sulphate, bisulphate	SO_3^{-2} Sulphite
HS^{-1} Hydrogen sulphide, bisulphide	SCN^{-1} Thiocyanate
HSO_3^{-1} Hydrogen sulphite, bisulphite	

NAMES, FORMULAE AND CHARGES OF SOME POLYATOMIC IONS

NAMES AND FORMULAE OF COMMON ACIDS

Positive Ions	Negative Ions
NH ₄ ⁺ Ammonium	CH ₃ COO ⁻ Acetate
	CO ₃ ²⁻ Carbonate
	ClO ₃ ⁻ Chlorate
	ClO ₂ ⁻ Chlorite
	CrO ₄ ²⁻ Chromate
	CN ⁻ Cyanide
	Cr ₂ O ₇ ²⁻ Dichromate
	HCO ₃ ⁻ Hydrogen carbonate, bicarbonate
	HSO ₄ ⁻ Hydrogen sulfate, bisulfate
	HS ⁻ Hydrogen sulfide, bisulfide
	HSO ₃ ⁻ Hydrogen sulfite, bisulfite
	OH ⁻ Hydroxide
	ClO ⁻ Hypochlorite
	NO ₃ ⁻ Nitrate
	NO ₂ ⁻ Nitrite
	ClO ₄ ⁻ Perchlorate
	MnO ₄ ⁻ Permanganate
	PO ₄ ³⁻ Phosphate
	PO ₃ ³⁻ Phosphite
	SO ₄ ²⁻ Sulfate
	SO ₃ ²⁻ Sulfite

Hydrochloric acid	HCl
Sulfuric acid	H ₂ SO ₄
Nitric acid	HNO ₃
Acetic acid	HCH ₃ COO

PREFIXES

1	mono
2	di
3	tri
4	tetra
5	penta
6	hexa
7	hepta
8	octa
9	nona
10	deca

