

IONS

Cations

Ag^+	Silver ion
Al^{3+}	Aluminum
NH_4^+	Ammonium ion
Co^{2+}	Cobaltous ion
Cr^{2+}	Chromous ion
Cu^+	Cuprous ion
Fe^{2+}	Ferrous ion
H^+	Hydrogen ion
Hg_{2+}	Mercurous ion
Pb^{2+}	Plumbous ion
Sn^{2+}	Stannous ion
Zn^{2+}	Zinc ion

Acids

$\text{HC}_2\text{H}_3\text{O}_2{}_{(aq)}$	Acetic acid
$\text{H}_2\text{CO}_3{}_{(aq)}$	Carbonic acid
$\text{HCl}_{(aq)}$	Hydrochloric acid
$\text{HNO}_3{}_{(aq)}$	Nitric acid
$\text{H}_3\text{PO}_4{}_{(aq)}$	Phosphoric acid
$\text{H}_2\text{SO}_4{}_{(aq)}$	Sulfuric acid

SI Prefixes

Factor	Prefix	Symbol
10^9	giga	G
10^6	mega	M
10^3	kilo	k
10^2	hecto	h
10^1	deka	da
10^{-1}	deci	d
10^{-2}	centi	c
10^{-3}	milli	m
10^{-6}	micro	μ
10^{-9}	nano	n
10^{-12}	pico	p
10^{-15}	femto	f

Anions

CH_3COO^- or $\text{C}_2\text{H}_3\text{O}_2^-$	Acetate ion
NH_2^-	Amide ion
N_3^-	Azide ion
BO_3^{3-}	Borate ion
Br^-	Bromide ion
CO_3^{2-}	Carbonate ion
HCO_3^-	Hydrogen carbonate or Bicarbonate ion
ClO_4^-	Perchlorate ion
ClO_3^-	Chlorate ion
ClO_2^-	Chlorite ion
CrO_4^{2-}	Dichromate ion
CN^-	Cyanide ion
Cl^-	Chloride ion
ClO^-	Hypochlorite ion
F^-	Fluoride ion
H^-	Hydride ion
OH^-	Hydroxide ion
I^-	Iodide ion
NO_3^-	Nitrate ion
NO_2^-	Nitrite ion
${}^-\text{OOC}\text{COO}^-$ or $\text{C}_2\text{O}_4^{2-}$	Oxalate ion
O^{2-}	Oxide ion
O_2^{2-}	Peroxide ion
MnO_4^-	Permanganate ion
PO_4^{3-}	Phosphate ion
HPO_4^{2-}	Hydrogen phosphate ion
H_2PO_4^-	Dihydrogen phosphate ion
SiO_4^{4-}	Silicate ion
SO_5^{2-}	Persulfate ion
SO_4^{2-}	Sulfate ion
SO_3^{2-}	Sulfite ion
HSO_4^-	
HSO_3^-	
$\text{S}_2\text{O}_3^{2-}$	

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