

Polyatomic Ions

Name	Formula	Name	Formula
perPhosphate	$(\text{PO}_5)^{-3}$	perCarbonate	$(\text{CO}_4)^{-2}$
Phosphate	$(\text{PO}_4)^{-3}$	Carbonate	$(\text{CO}_3)^{-2}$
Phosphite	$(\text{PO}_3)^{-3}$	Carbonite	$(\text{CO}_2)^{-2}$
hypoPhosphite	$(\text{PO}_2)^{-3}$	hypocarbonite	$(\text{CO})^{-2}$
perChlorate	$(\text{ClO}_4)^{-1}$	perNitrate	$(\text{NO}_4)^{-1}$
Chlorate	$(\text{ClO}_3)^{-1}$	Nitrate	$(\text{NO}_3)^{-1}$
Chlorite	$(\text{ClO}_2)^{-1}$	Nitrite	$(\text{NO}_2)^{-1}$
hypoChlorite	$(\text{ClO})^{-1}$	Hyponitrite	$(\text{NO})^{-1}$
perSulfate	$(\text{SO}_5)^{-2}$	perChromate	$(\text{CrO}_5)^{-2}$
Sulfate	$(\text{SO}_4)^{-2}$	Chromate	$(\text{CrO}_4)^{-2}$
Sulfite	$(\text{SO}_3)^{-2}$	Chromite	$(\text{CrO}_3)^{-2}$
hyposulfite	$(\text{SO}_2)^{-2}$	Hypochromite	$(\text{CrO}_2)^{-2}$
Acetate	$(\text{C}_2\text{H}_3\text{O}_2)^{-1}$	Cyanide	$(\text{CN})^{-1}$
Hydroxide	$(\text{OH})^{-1}$	Manganate	$(\text{MnO}_4)^{-2}$
Ammonium	$(\text{NH}_4)^{+1}$	Dichromate	$(\text{Cr}_2\text{O}_7)^{-2}$

Standard Units			Metric Prefixes		
Symbol	Name	Quantity	Factor	Prefix	Symbol
m	meter	length	10^9	Giga	G
L	liter	volume	10^6	Mega	M
Kg	kilogram	mass	10^3	kilo	k
kPa	kilopascal	Pressure	10^2	hecto	h
K	Kelvin	Temperature	10^1	Deka	D
Mol	mole	Amount	10^0	standard	m L g
J	Joule	Energy, work	10^{-1}	deci	d
s	second	Time	10^{-2}	centi	c
c	3×10^8 m/s	Speed of light	10^{-3}	milli	m
Amu	Atomic Mass Unit		10^{-6}	micro	μ
1 ml = 1 cm ³		volume	10^{-9}	nano	n