

LIST OF POLYATOMIC IONS

acetate	$C_2H_3O_2^-$	iodate	IO_3^-		
ammonium	NH_4^+	iodite	IO_2^-		
arsenate	AsO_4^{3-}	thiodide	I_3^-		
arsenite	AsO_3^{3-} or AsO_2^-	isocyanate	NCO^-		
aluminate	AlO_2^- or $Al_2O_4^{2-}$	lactate	$C_3H_5O_3^-$		
amide	NH_2^-	manganate	MnO_4^{2-}		
antimonate	SbO_4^{3-}	molybdate	MoO_4^{2-}		
antimonite	SbO_3^{3-}	nitrate	NO_3^-		
azide	N_3^-	nitrite	NO_2^-		
metaborate	BO_2^-	nitronium	NO_2^+		
tetraborate	$B_4O_7^{2-}$	oxalate	$C_2O_4^{2-}$		
barbital ion	$C_8H_{11}N_2O_3^-$	ozonide	O_3^-		
bicarbonate (hydrogen carbonate)	HCO_3^-	perbromate	BrO_4^-		
bisulfate (hydrogen sulphate)	HSO_4^-	perchlorate	ClO_4^-		
bisulfite (hydrogen sulphite)	HSO_3^-	peroxomonosulfate	SO_5^{2-}		
bisulfide	HS^-	peroxodisulphate	$S_2O_8^{2-}$		
benzoate	$C_6H_5COO^-$	periodate	IO_4^-		
bisulfite	HSO_3^-	permanganate	MnO_4^-		
borate	BO_3^{3-}	peroxide	O_2^{2-}		
bromate	BrO_3^-	periodate	IO_4^- or IO_6^{5-}		
bromite	BrO_2^-	phosphate	PO_4^{3-}		
citrate	$C_3H_5O(COO)_3^{3-}$	peroxymonosulfate	SO_5^{2-}		
carbide	C_2^{2-}	peroxydisulfate	$S_2O_8^{2-}$		
carbonate	CO_3^{2-}	phosphite	PO_3^{3-}		
carbonite	CO_2^{2-}	plumbate	PbO_3^{2-}		
chlorate	ClO_3^-	plumbite	PbO_2^{2-}		
chlorite	ClO_2^-	pyridinium	$C_5H_6N^+$		
chromate	CrO_4^{2-}	pyrophosphate	$P_2O_7^{4-}$		
chromite	CrO_2^-	selenate	SeO_4^{2-}		
chromyl	CrO_2^{2+}	selenite	SeO_3^{2-}		
citrate	$C_6H_5O_7^{3-}$	silicate	SiO_3^{2-}		
cyanide	CN^-	disilicate	$Si_2O_5^{2-}$		
cyanate	OCN^-	orthosilicate	SiO_4^{4-}		
thiocyanate	SCN^-	stearate	$C_{17}H_{35}COO^-$		
dichromate	$Cr_2O_7^{2-}$	sulfate	SO_4^{2-}		
dihydrogen arsenate	$H_2AsO_4^-$	sulfite	SO_3^{2-}		
dihydrogen phosphate	$H_2PO_4^-$	thiosulphate	$S_2O_3^{2-}$		
dihydrogen phosphite	$H_2PO_3^-$	stannate	SnO_3^{2-}		
ferrate	FeO_4^{2-}	stannite	SnO_2^{2-}		
ferricyanide	$Fe(CN)_6^{3-}$	superoxide	O_2^-		
ferrocyanide	$Fe(CN)_6^{4-}$	tripolyphosphate	$P_3O_{10}^{5-}$		
fulminate	CNO^-	tungstate	WO_4^{2-}		
formate	$CHOO^-$	tartrate	$C_4H_4O_6^{2-}$		
glutamate	$C_5H_8NO_4^-$	tellurate	TeO_4^{2-} or TeO_6^{6-}		
hexafluorosilicate	SiF_6^{2-}	vanadate	VO_4^{3-}		
hydrazide	$N_2H_3^-$				
hydrogen arsenate	$HAsO_4^{2-}$				
hydrogen phosphite	HPO_3^{2-}				
hydrogen telluride	HTe^-				
hypophosphite	PO_2^{3-}				
hyposulphite	SO_2^{2-}				
hydronium	H_3O^+				
hydroxide	OH^-				
hypobromite	BrO^-				
hyponitrite	$N_2O_2^{2-}$				
hypochlorite	ClO^-				
hypoiodite	IO^-				

NAMING OF ACIDS		
ION'S SUFFIX		Acid Name
_____ ide	becomes	hydro _____ ic acid
_____ ate	becomes	_____ ic acid
_____ ite	becomes	_____ ous acid

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