

Table of Selected Polyatomic Ions

Ions Sorted Alphabetically by Name

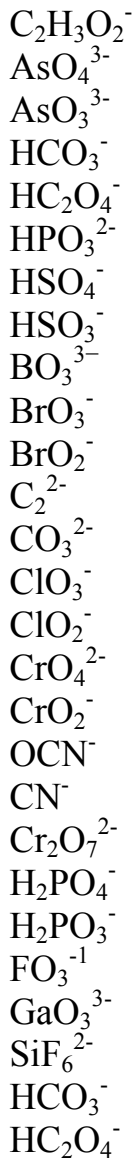
Cations:

ammonium
hydronium



Anions:

acetate
arsenate
arsenite
bicarbonate
binoxalate
biphosphite
bisulfate
bisulfite
borate
bromate
bromite
carbide
carbonate
chlorate
chlorite
chromate
chromite
cyanate
cyanide
dichromate
dihydrogen phosphate
dihydrogen phosphite
fluorate
gallate
hexafluorosilicate
hydrogen carbonate
hydrogen oxalate



hydrogen phosphate
hydrogen phosphite
hydrogen sulfate
hydrogen sulfide
hydrogen sulfite
hydroxide
hypobromite
hypochlorite
hypoiodite
hypophosphite
iodate
iodite
molybdate
nitrate
nitrite
oxalate
perbromate
perchlorate
periodate
permanganate
peroxide
phosphate
phosphite
pyrophosphate
selenate
silicate
sulfate
sulfite
tartrate
tetraborate
thiocyanate
thiosulfate

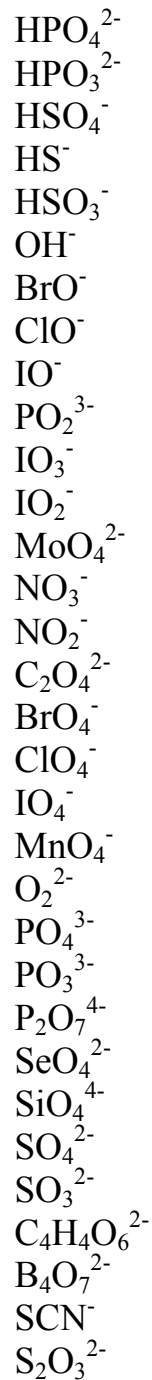


Table of Selected Polyatomic Ions

Ions Sorted by Charge and Grouped by Oxyanion (when appropriate)

+1 Cations

ammonium	NH_4^+
hydronium	H_3O^+

-1 Anions

acetate	$\text{C}_2\text{H}_3\text{O}_2^-$	dihydrogen phosphite	H_2PO_3^-
azide	N_3^-	fluorate	FO_3^-
bicarbonate	HCO_3^-	hydrogen carbonate	HCO_3^-
binoxalate	HC_2O_4^-	hydrogen oxalate	HC_2O_4^-
bisulfate	HSO_4^-	hydrogen sulfate	HSO_4^-
bisulfite	HSO_3^-	hydrogen sulfide	HS^-
perbromate	BrO_4^-	hydrogen sulfite	HSO_3^-
bromate	BrO_3^-	hydroxide	OH^-
bromite	BrO_2^-	hypoiodite	IO^-
hypobromite	BrO^-	iodate	IO_3^-
perchlorate	ClO_4^-	iodite	IO_2^-
chlorate	ClO_3^-	periodate	IO_4^-
chlorite	ClO_2^-	permanganate	MnO_4^-
hypochlorite	ClO^-	superoxide	O_2^-
chromite	CrO_2^-	thiocyanate	SCN^-
cyanate	OCN^-	nitrate	NO_3^-
cyanide	CN^-	nitrite	NO_2^-
dihydrogen phosphate	H_2PO_4^-		

-2 Anions

biphosphite	HPO_3^{2-}	molybdate	MoO_4^{2-}
carbide	C_2^{2-}	oxalate	$\text{C}_2\text{O}_4^{2-}$
chromate	CrO_4^{2-}	selenate	SeO_4^{2-}
carbonate	CO_3^{2-}	sulfate	SO_4^{2-}
dichromate	$\text{Cr}_2\text{O}_7^{2-}$	sulfite	SO_3^{2-}
peroxide	O_2^{2-}	tartrate	$\text{C}_4\text{H}_4\text{O}_6^{2-}$
hexafluorosilicate	SiF_6^{2-}	tetraborate	$\text{B}_4\text{O}_7^{2-}$
hydrogen phosphate	HPO_4^{2-}	thiosulfate	$\text{S}_2\text{O}_3^{2-}$
hydrogen phosphite	HPO_3^{2-}		

-3 Anions

arsenate	AsO_4^{3-}	hypophosphite	PO_2^{3-}
arsenite	AsO_3^{3-}	phosphate	PO_4^{3-}
borate	BO_3^{3-}	phosphite	PO_3^{3-}
gallate	GaO_3^{3-}		

-4 Anions

pyrophosphate	$\text{P}_2\text{O}_7^{4-}$
silicate	SiO_4^{4-}

Note: Azide (N_3^-), superoxide (O_2^-), and peroxide (O_2^{2-}) are known to form stable compounds only with hydrogen and alkali metals.