Polyatomic Ions Chart

Common formulas, charges, and examples for introductory chemistry.

Ion	Formula	Charge	Examples
ammonium	NH4	+1	NH4Cl, (NH4)2SO4
hydroxide	OH	-1	NaOH, Ca(OH)2
nitrate	NO3	-1	NaNO3, Ca(NO3)2
nitrite	NO2	-1	NaNO2
sulfate	SO4	-2	Na2SO4, Fe2(SO4)3
sulfite	SO3	-2	Na2SO3
carbonate	CO3	-2	CaCO3, Na2CO3
bicarbonate	HCO3	-1	NaHCO3
phosphate	PO4	-3	Na3PO4, Ca3(PO4)2
acetate	C2H3O2	-1	NaC2H3O2
chlorate	ClO3	-1	KClO3
perchlorate	ClO4	-1	NaClO4
cyanide	CN	-1	NaCN
permanganate	MnO4	-1	KMnO4
chromate	CrO4	-2	K2CrO4
dichromate	Cr2O7	-2	K2Cr2O7