

Monatomic Ions

Explore monoatomic ion formulas.

1A																		7A	8A
H ⁺	2A												3A	4A	5A	6A		H ⁻	
Li ⁺															N ³⁻	O ²⁻	F ⁻		
Na ⁺	Mg ²⁺	3B	4B	5B	6B	7B	8B			1B	2B	Al ³⁺			P ³⁻	S ²⁻	Cl ⁻		
K ⁺	Ca ²⁺		Ti ⁴⁺		Cr ²⁺ Cr ³⁺	Mn ²⁺	Fe ²⁺ Fe ³⁺	Co ²⁺ Co ³⁺	Ni ²⁺	Cu ⁺ Cu ²⁺	Zn ²⁺					Se ²⁻	Br ⁻		
Rb ⁺	Sr ²⁺									Ag ⁺	Cd ²⁺		Sn ²⁺			Te ²⁻	I ⁻		
Cs ⁺	Ba ²⁺										Hg ₂ ²⁺ Hg ²⁺		Pb ²⁺	Bi ³⁺					

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Polyatomic Ions

Names and Formulas of Common Polyatomic Ions

Ion	Name	Ion	Name
NH_4^+	Ammonium	NO_2^-	Nitrite
OH^-	Hydroxide	NO_3^-	Nitrate
CN^-	Cyanide	ClO^-	Hypochlorite
CH_3CO_2^-	Acetate	ClO_2^-	Chlorite
SO_3^{2-}	Sulfite	ClO_3^-	Chlorate
SO_4^{2-}	Sulfate	ClO_4^-	Perchlorate
HSO_4^-	Hydrogen sulfate (bisulfate)	CO_3^{2-}	Carbonate
$\text{S}_2\text{O}_3^{2-}$	Thiosulfate	HCO_3^-	Hydrogen carbonate (bicarbonate)
PO_4^{3-}	Phosphate	$\text{C}_2\text{O}_4^{2-}$	Oxalate
HPO_4^{2-}	Hydrogen phosphate	$\text{Cr}_2\text{O}_7^{2-}$	Dichromate
H_2PO_4^-	Dihydrogen phosphate	CrO_4^{2-}	Chromate
SCN^-	Thiocyanate	MnO_4^-	Permanganate
OCN^-	Cyanate		