

Charges of some Common Monatomic ions

H 1+ 1-																		
Li 1+	Be 2+													N 3-	O 2-	F 1-		
Na 1+	Mg 2+													Al 3+		P 3-	S 2-	Cl 1-
K 1+	Ca 2+	Sc 3+	Ti 3+ 4+	V 3+ 4+	Cr 2+ 3+	Mn 2+ 3+	Fe 2+ 3+	Co 2+ 3+	Ni 2+ 4+	Cu 1+ 2+	Zn 2+							Br 1-
Rb 1+	Sr 2+									Pd 2+ 4+	Ag 1+	Cd 2+		Sn 2+ 4+				I 1-
Cs 1+	Ba 2+									Pt 2+ 4+	Au 1+ 3+	Hg 2+ *		Pb 2+ 4+				
Fr 1+	Ra 2+																	

Please note that many of the metals shown here can have more possibilities than I can show here. Vanadium, for example, can be 2+, 3+, 4+ or 5+. I have only shown the more common charges.

*Mercury can be 1+ in the polyatomic ion Hg_2^{2+} .

Polyatomic ions and their names:

Formula	Name
NH_4^+	Ammonium
OH^-	Hydroxide
NO_3^-	Nitrate
NO_2^-	Nitrite
CH_3CO_2^-	Acetate
CN^-	Cyanide
MnO_4^-	Permanganate
CO_3^{2-}	Carbonate
HCO_3^-	Bicarbonate
SO_3^{2-}	Sulfite
HSO_3^-	Bisulfite
SO_4^{2-}	Sulfate
PO_4^{3-}	Phosphate
HPO_4^{2-}	Hydrogen phosphate
H_2PO_4^-	Dihydrogen phosphate
SiO_3^{2-}	Silicate
CrO_4^{2-}	Chromate