Polyatomic Ions and Their Charges

+1	+2	+3	+4
ammonium, NH_4^+ copper (I), Cu^+ silver, Ag^+	copper (II), Cu^{2+} iron (II), Fe^{2+} lead (II), Pb^{2+} mercury (I), Hg_2^{2+} mercury (II), Hg^{2+} nickel (II), Ni^{2+}	aluminum, Al^{3+} chromium (III), Cr^{3+} iron (III), Fe^{3+}	lead (IV), Pb^{4+}
-1	**-2**	**-3**	
acetate, $C_2H_3O_2^-$ chlorate, ClO_3^- hydrogen carbonate, HCO_3^- hydrogen sulfate, HSO_4^- hydroxide, OH^- nitrate, NO_3^- nitrite, NO_2^-	carbonate, CO_3^{2-} chromate, CrO_4^{2-} dichromate, $Cr_2O_7^{2-}$ peroxide, O_2^{2-} sulfate, SO_4^{2-} sulfite, SO_3^{2-}	phosphate, PO_4^{3-}	

Note: All column IA elements form 1+ ions; All column IIA elements form 2+ ions;
All column VIIA elements form 1- ions; All column VIA elements form 2- ions;

Metallic Ion Name Equivalents

Old System		*New System*	
chromic	Cr^{3+}	chromium (III)	Cr^{3+}
cobaltous	Co^{2+}	cobalt (II)	Co^{2+}
ferrous	Fe^{2+}	iron (II)	Fe^{2+}
ferric	Fe^{3+}	iron (III)	Fe^{3+}
cuprous	Cu^+	copper (I)	Cu^+
cupric	Cu^{2+}	copper (II)	Cu^{2+}
mercurous	Hg^+	mercury (I)	Hg_2^{2+}
mercuric	Hg^{2+}	mercury (II)	Hg^{2+}
plumbous	Pb^{2+}	lead (II)	Pb^{2+}
plumbic	Pb^{4+}	lead (IV)	Pb^{4+}
stannous	Sn^{2+}	tin (II)	Sn^{2+}
stannic	Sn^{4+}	tin (IV)	Sn^{4+}