

Names and Charges of Some Common Ions

1+	2+	3+
ammonium, NH_4^+ cesium, Cs^+ copper (I), Cu^+ potassium, K^+ silver, Ag^+ sodium, Na^+ hydrogen H^+	barium, Ba^{2+} beryllium, Be^{2+} cadmium, Cd^{2+} calcium, Ca^{2+} cobalt (II), Co^{2+} copper (II), Cu^{2+} iron (II), Fe^{2+} lead (II), Pb^{2+} magnesium, Mg^{2+} mercury (I), Hg_2^{2+} mercury (II), Hg^{2+} nickel, Ni^{2+} strontium, Sr^{2+} zinc, Zn^{2+}	aluminum, Al^{3+} chromium (III), Cr^{3+} iron (III), Fe^{3+} bismuth, Bi^{3+} cobalt (III), Co^{3+}
		4+
	tin (IV), Sn^{4+} lead (IV), Pb^{4+}	
	tin (II), Sn^{2+}	
1-	2-	3-
acetate, $\text{C}_2\text{H}_3\text{O}_2^-$ bromide, Br^- chlorate, ClO_3^- chlorite, ClO_2^- chloride, Cl^- cyanide, CN^- fluoride, F^- hydrogen carbonate, or bicarbonate, HCO_3^- hydrogen sulfate, HSO_4^- hydrogen sulfide, HS^- hydroxide, OH^- iodide, I^- nitrate, NO_3^- nitrite, NO_2^-	carbonate, CO_3^{2-} chromate, CrO_4^{2-} dichromate, $\text{Cr}_2\text{O}_7^{2-}$ oxide, O^{2-} oxalate, $\text{C}_2\text{O}_4^{2-}$ peroxide, O_2^{2-} sulfate, SO_4^{2-} sulfide, S^{2-} sulfite, SO_3^{2-} tartrate, $\text{C}_4\text{H}_4\text{O}_6^{2-}$	phosphate, PO_4^{3-}

The Traditional System and Stock System for Naming Certain Ions

Element		Ion		
Symbol	Name	Symbol	Name	
			Traditional	Stock System
Cu	copper	Cu^{1+}	cuprous	copper (I)
		Cu^{2+}	cupric	copper (II)
Fe	iron	Fe^{2+}	ferrous	iron (II)
		Fe^{3+}	ferric	iron (III)
Hg	mercury	Hg_2^{2+}	mercurous	mercury (I)
		Hg^{2+}	mercuric	mercury (II)
Pb	lead	Pb^{2+}	plumbous	lead (II)
		Pb^{4+}	plumbic	lead (IV)
Sn	tin	Sn^{2+}	stannous	tin (II)
		Sn^{4+}	stannic	tin (IV)