

### 3 • Molecules and Compounds

#### 40 IONS TO MEMORIZE

aluminum	$\text{Al}^{3+}$	strontium	$\text{Sr}^{2+}$
ammonium	$\text{NH}_4^+$	stannous	$\text{Sn}^{2+}$
barium	$\text{Ba}^{2+}$	stannic	$\text{Sn}^{4+}$
calcium	$\text{Ca}^{2+}$	zinc	$\text{Zn}^{2+}$
cuprous	$\text{Cu}^+$	acetate	$\text{C}_2\text{H}_3\text{O}_2^-$ or $\text{CH}_3\text{COO}^-$
cupric	$\text{Cu}^{2+}$	bromide	$\text{Br}^-$
ferrous	$\text{Fe}^{2+}$	carbonate	$\text{CO}_3^{2-}$
ferric	$\text{Fe}^{3+}$	chlorate	$\text{ClO}_3^-$
hydrogen	$\text{H}^+$	chloride	$\text{Cl}^-$
hydronium	$\text{H}_3\text{O}^+$	chromate	$\text{CrO}_4^{2-}$
lead	$\text{Pb}^{2+}$	dichromate	$\text{Cr}_2\text{O}_7^{2-}$
lithium	$\text{Li}^+$	fluoride	$\text{F}^-$
magnesium	$\text{Mg}^{2+}$	hydroxide	$\text{OH}^-$
manganese	$\text{Mn}^{2+}$	iodide	$\text{I}^-$
mercurous	$\text{Hg}_2^{2+}$	nitrate	$\text{NO}_3^-$
mercuric	$\text{Hg}^{2+}$	oxide	$\text{O}^{2-}$
nickel	$\text{Ni}^{2+}$	permanganate	$\text{MnO}_4^-$
potassium	$\text{K}^+$	phosphate	$\text{PO}_4^{3-}$
silver	$\text{Ag}^+$	sulfate	$\text{SO}_4^{2-}$
sodium	$\text{Na}^+$	sulfide	$\text{S}^{2-}$