

## Appendix L

### COMMON IONS

#### Cations

aluminum	$\text{Al}^{3+}$	magnesium	$\text{Mg}^{2+}$
ammonium	$\text{NH}_4^+$	mercury(I)	$\text{Hg}_2^{2+}$
antimony(III)	$\text{Sb}^{3+}$	mercury(II)	$\text{Hg}^{2+}$
barium	$\text{Ba}^{2+}$	nickel(II)	$\text{Ni}^{2+}$
beryllium	$\text{Be}^{2+}$	potassium	$\text{K}^+$
bismuth(III)	$\text{Bi}^{3+}$	silver(I)	$\text{Ag}^+$
cadmium(II)	$\text{Cd}^{2+}$	sodium	$\text{Na}^+$
calcium	$\text{Ca}^{2+}$	strontium	$\text{Sr}^{2+}$
chromium(II)	$\text{Cr}^{2+}$	tin(II)	$\text{Sn}^{2+}$
chromium(III)	$\text{Cr}^{3+}$	tin(IV)	$\text{Sn}^{4+}$
cobalt(II)	$\text{Co}^{2+}$	zinc(II)	$\text{Zn}^{2+}$
cobalt(III)	$\text{Co}^{3+}$		
copper(I)	$\text{Cu}^+$		
copper(II)	$\text{Cu}^{2+}$		
gold(I)	$\text{Au}^+$		
gold(III)	$\text{Au}^{3+}$		
hydrogen	$\text{H}^+$		
hydronium	$\text{H}_3\text{O}^+$		
iron(II)	$\text{Fe}^{2+}$		
iron(III)	$\text{Fe}^{3+}$		
lead(II)	$\text{Pb}^{2+}$		
lithium	$\text{Li}^+$		
manganese(II)	$\text{Mn}^{2+}$		

## Anions

acetate	$\text{C}_2\text{H}_3\text{O}_2^-$	perbromate	$\text{BrO}_4^-$
arsenate	$\text{AsO}_4^{3-}$	perchlorate	$\text{ClO}_4^-$
bromate	$\text{BrO}_3^-$	permanganate	$\text{MnO}_4^-$
bromide	$\text{Br}^-$	peroxide	$\text{O}_2^{2-}$
bromite	$\text{BrO}_2^-$	phosphate	$\text{PO}_4^{3-}$
carbonate	$\text{CO}_3^{2-}$	phosphide	$\text{P}^{3-}$
chlorate	$\text{ClO}_3^-$	phosphite	$\text{PO}_3^{3-}$
chloride	$\text{Cl}^-$	selenate	$\text{SeO}_4^{2-}$
chlorite	$\text{ClO}_2^-$	selenite	$\text{SeO}_3^{2-}$
chromate	$\text{CrO}_4^{2-}$	sulfate	$\text{SO}_4^{2-}$
cyanide	$\text{CN}^-$	sulfite	$\text{SO}_3^{2-}$
dichromate	$\text{Cr}_2\text{O}_7^{2-}$	thiocyanate	$\text{SCN}^-$
dihydrogen phosphate	$\text{H}_2\text{PO}_4^-$	thiosulfate	$\text{S}_2\text{O}_3^{2-}$
fluoride	$\text{F}^-$		
hydride	$\text{H}^-$		
hydrogen carbonate	$\text{HCO}_3^-$		
hydrogen phosphate	$\text{HPO}_4^{2-}$		
hydrogen sulfate	$\text{HSO}_4^-$		
hydroxide	$\text{OH}^-$		
hypobromite	$\text{BrO}^-$		
hypochlorite	$\text{ClO}^-$		
iodide	$\text{I}^-$		
nitrate	$\text{NO}_3^-$		
nitride	$\text{N}^{3-}$		
nitrite	$\text{NO}_2^-$		
oxide	$\text{O}^{2-}$		