

TABLE 20.13 Some Common Ligands

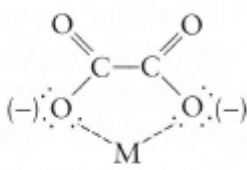
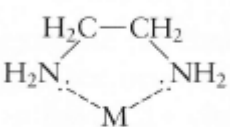
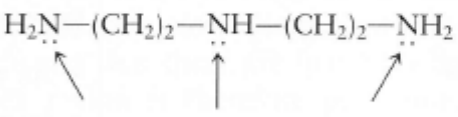
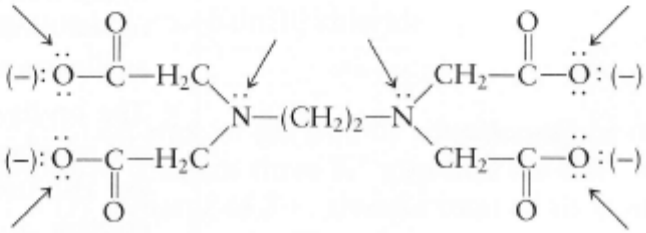
Type	Examples
Unidentate/monodentate	H_2O NH_3 CN^- NO_2^- (nitrite) SCN^- (thiocyanate) OH^- X^- (halides)
Bidentate	<p>Oxalate</p>  <p>Ethylenediamine (en)</p> 
Polydentate	<p>Diethylenetriamine (dien)</p>  <p>Three coordinating atoms</p> <p>Ethylenediaminetetraacetate (EDTA)</p>  <p>Six coordinating atoms</p>

TABLE 2.5 Common Polyatomic Ions

Ion	Name	Ion	Name
NH_4^+	ammonium	CO_3^{2-}	carbonate
NO_2^-	nitrite	HCO_3^-	hydrogen carbonate (bicarbonate is a widely used common name)
NO_3^-	nitrate	ClO^-	hypochlorite
SO_3^{2-}	sulfite	ClO_2^-	chlorite
SO_4^{2-}	sulfate	ClO_3^-	chlorate
HSO_4^-	hydrogen sulfate (bisulfate is a widely used common name)	ClO_4^-	perchlorate
OH^-	hydroxide	$\text{C}_2\text{H}_3\text{O}_2^-$	acetate
CN^-	cyanide	MnO_4^-	permanganate
PO_4^{3-}	phosphate	$\text{Cr}_2\text{O}_7^{2-}$	dichromate
HPO_4^{2-}	hydrogen phosphate	CrO_4^{2-}	chromate
H_2PO_4^-	dihydrogen phosphate	O_2^{2-}	peroxide