

CHAPTER 1	Polyatomic Ion Table	BLM 1.0.6
OVERHEAD		

### Some Common Polyatomic Ions

Name	Structure	Name	Structure
ethanoate (acetate)	$\text{CH}_3\text{COO}^-$	nitrate	$\text{NO}_3^-$
ammonium	$\text{NH}_4^+$	nitrite	$\text{NO}_2^-$
benzoate	$\text{C}_6\text{H}_5\text{COO}^-$	oxalate	$\text{OOC}\text{COO}^{2-}$
borate	$\text{BO}_3^{3-}$	hydrogen oxalate	$\text{HOOC}\text{COO}^-$
carbonate	$\text{CO}_3^{2-}$	permanganate	$\text{MnO}_4^-$
hydrogen carbonate (bicarbonate)	$\text{HCO}_3^-$	phosphate	$\text{PO}_4^{3-}$
perchlorate	$\text{ClO}_4^-$	hydrogen phosphate	$\text{HPO}_4^{2-}$
chlorate	$\text{ClO}_3^-$	dihydrogen phosphate	$\text{H}_2\text{PO}_4^-$
chlorite	$\text{ClO}_2^-$	silicate	$\text{SiO}_3^{2-}$
hypochlorite	$\text{ClO}^-$	sulphate	$\text{SO}_4^{2-}$
chromate	$\text{CrO}_4^{2-}$	hydrogen sulfate	$\text{HSO}_4^-$
dichromate	$\text{Cr}_2\text{O}_7^{2-}$	sulfite	$\text{SO}_3^{2-}$
cyanide	$\text{CN}^-$	hydrogen sulfite	$\text{HSO}_3^-$
hydroxide	$\text{OH}^-$	hydrogen sulfide	$\text{HS}^-$
iodate	$\text{IO}_3^-$	thiocyanate	$\text{SCN}^-$
		thiosulfate	$\text{S}_2\text{O}_3^{2-}$