

Selected Polyatomic Ions **(Memorize these!)**

+1	-1	-2	-3
NH_4^+ (ammonium)	CN^- (cyanide)	O_2^{2-} (peroxide)	
H_3O^+ (hydronium)	OCN^- (cyanate)	$\text{C}_2\text{O}_4^{2-}$ (oxalate)	
Hg_2^{2+} (mercury I)	SCN^- (thiocyanate)		
	OH^- (hydroxide)	CrO_4^{2-} (chromate)	
	$\text{C}_2\text{H}_3\text{O}_2^-$ (acetate)	$\text{Cr}_2\text{O}_7^{2-}$ (dichromate)	
	MnO_4^- (permanganate)		
	NO_3^- (nitrate)		
	NO_2^- (nitrite)		
	H_2PO_4^- (dihydrogen phosphate)	HPO_4^{2-} (hydrogen phosphate)	PO_4^{3-} (phosphate)
	HCO_3^- (hydrogen carbonate or bicarbonate)	CO_3^{2-} (carbonate)	AsO_4^{3-} (arsenate)
	HSO_4^- (hydrogen sulfate)	SO_4^{2-} (sulfate)	
	HSO_3^- (hydrogen sulfite)	SO_3^{2-} (sulfite)	
	ClO_4^- (perchlorate)	$\text{S}_2\text{O}_3^{2-}$ (thio sulfate)	
	ClO_3^- (chlorate)		
	ClO_2^- (chlorite)		
	ClO^- (hypochlorite)		
	+ bromo, iodo relatives		