

Polyatomic Ions to Memorize

The following polyatomic ions must be memorized so that we can focus upon how they are used in chemical equations. How you learn these is entirely up to you (flashcards?), but you must know the names and ionic charges of each of the following polyatomic ions.

There will be a quiz over these common ions. I will assume that you have these committed to memory on future assignments, tests, etc.

1-		2-	
ClO	hypochlorite	C ₂ O ₄	oxalate
ClO ₂	chlorite	CO ₃	carbonate
ClO ₃	chlorate	Cr ₂ O ₇	dichromate
ClO ₄	perchlorate	CrO ₄	chromate
CN	cyanide	O ₂	peroxide
MnO ₄	permanganate	SO ₄	sulfate
NO ₃	nitrate	SO ₃	sulfite
NO ₂	nitrite		
OH	hydroxide		
HCOO	formate		
HCO ₃	hydrogen carbonate (bicarbonate)	3-	
HSO ₃	hydrogen sulfite	PO ₄	phosphate
C ₂ H ₃ O ₂	acetate	PO ₃	phosphite
SCN	thiocyanate		
1+			
NH ₄	ammonium		