

Polyatomic Ion Memorization

Memorize the polyatomic ion names and formulas for the ions that marked below.

IMPORTANT: You will need to know these for the test and all year.

1+		2+			
* ammonium	NH_4^+	dimercury*	Hg_2^{2+}		
1-		2-		3-	
* acetate	$\text{C}_2\text{H}_3\text{O}_2^{-1}$ and CH_3COO^-	* carbonate	CO_3^{2-}	arsenate	AsO_4^{3-}
* bromate	BrO_3^-	* chromate	CrO_4^{2-}	* phosphate	PO_4^{3-}
* chlorate	ClO_3^-	* dichromate	$\text{Cr}_2\text{O}_7^{2-}$		
chlorite	ClO_2^-	hydrogen phosphate	HPO_4^{2-}		
* cyanide	CN^-	oxalate	$\text{C}_2\text{O}_4^{2-}$		
dihydrogen phosphate	H_2PO_4^-	* peroxide	O_2^{2-}		
* hydrogen carbonate (bicarbonate)	HCO_3^-	* sulfate	SO_4^{2-}		
hydrogen sulfate	HSO_4^-	* sulfite	SO_3^{2-}		
* hydroxide	OH^-				
hypochlorite	ClO^-				
* nitrate	NO_3^-				
* nitrite	NO_2^-				
perchlorate	ClO_4^-				
* permanganate	MnO_4^-				

*The mercury(I) cation exists as two Hg^+ ions joined together by a covalent bond and is written as Hg_2^{2+} .