

Polyatomic Ions

You will need to make flash cards for all 27 of the polyatomic ions on this sheet. You will be quizzed every week during the first semester, adding 5 polyatomic ions each week. Memorization and recognition of these ions, names and charges is **crucial** to your success in chemistry

(1-) charge		(2-) charge		(3-) charge	
H_2PO_4^-	1. Dihydrogen Phosphate	HPO_4^{2-}	16. Hydrogen Phosphate	PO_3^{3-}	25. Phosphite
$\text{C}_2\text{H}_3\text{O}_2^-$	2. Acetate	$\text{C}_2\text{O}_4^{2-}$	17. Oxalate	PO_4^{3-}	26. Phosphate
HSO_3^-	3. Hydrogen Sulfite	SO_3^{2-}	18. Sulfite		
HSO_4^-	4. Hydrogen Sulfate	SO_4^{2-}	19. Sulfate		
HCO_3^-	5. Hydrogen Carbonate	CO_3^{2-}	20. Carbonate		
NO_2^-	6. Nitrite	CrO_4^{2-}	21. Chromate		
NO_3^-	7. Nitrate	$\text{Cr}_2\text{O}_7^{2-}$	22. Dichromate		
CN^-	8. Cyanide	SiO_3^{2-}	23. Silicate		
OH^-	9. Hydroxide	O_2^{2-}	24. Peroxide		
MnO_4^-	10. Permanganate				
ClO^-	11. Hypochlorite				
ClO_2^-	12. Chlorite				
ClO_3^-	13. Chlorate				
ClO_4^-	14. Perchlorate				
H^-	15. Hydride				
				(1+) charge	
				NH_4^+	27. Ammonium