







F	Polyato	mic l	ons
on	Name	lon	Name

lon	Name	lon	Name
NH <sub>4</sub> +	ammonium	NO <sub>3</sub> -	nitrate
OH⁻	hydroxide	SO4 <sup>2-</sup>	sulfate
CO32-	carbonate	$C_2H_3O_2^-$	acetate
PO <sub>4</sub> <sup>3-</sup>	phosphate		







Cation Names				
Metals with one possible charge (Al, Zn, Cd, and Groups 1, 2, 3)	name of metal			
Metals with more than one possible charge (the rest)	name(Roman numeral)			
polyatomic cations (e.g. ammonium)	name of polyatomic ion			

monatomic anion	(root of nonmetal name)ide
polyatomic anion	name of polyatomic ion

























- Acids turn litmus from blue to red.
- Acids react with bases.





















Acid Summary				
<b>Strong</b> hydrochloric acid, HCI(aq)	Weak hydrofluoric acid			
nitric acid, HNO $_3$ sulfuric acid, H $_2$ SO $_4$	other acids with $H_a X_b O_c$			
none	acetic acid, $HC_2H_3O_2$			
	Acid Summa Strong hydrochloric acid, HCI(aq) nitric acid, HNO <sub>3</sub> sulfuric acid, H <sub>2</sub> SO <sub>4</sub> none			





