Name:	Section:			
Identifying Acid & Base Reactions				
<u>Directions</u> : The following chemical reactions illustrate what can happen when acids and bases react with each other or with other substances.  Classify the following as an acid, base, or neutralization reaction and explain your reasoning.				
1. 2NaOH + H₂SO4 -	→ 2H <sub>2</sub> O + Na <sub>2</sub> SO <sub>4</sub>			
Reaction Type:	Reasoning:			
7	7 60 11			
2. <b>Zn</b> + H <sub>2</sub> SO <sub>4</sub> -	→ ZnSO <sub>4</sub> + H <sub>2</sub>			
Reaction Type:	Reasoning:			
	H₂O NaOH → Na⁺ + OH⁻			
Reaction Type:	Reasoning:			

4.	HCI + KOH → KCI + H2O		
	Reaction Type:	Reasoning:	
5.	5. $HCO_3^- \rightarrow CO_3^{2-} + H^+$		
	Reaction Type:	Reasoning:	
6.	6. 2AI +6HCI → 2AICI <sub>3</sub> + 3H <sub>2</sub>		
	Reaction Type:	Reasoning:	
7. $H_2SO_4 + CuO \rightarrow CuSO_4 + H_2O$			
,.	Reaction Type:	Reasoning:	

8.	HCl + H <sub>2</sub> O → H <sub>3</sub> O <sup>+</sup> + Cl <sup>-</sup>	
	Reaction Type:	Reasoning:

9. <b>HCO₃⁻ + H</b> ⁺ -	$HCO_3^- + H^+ \rightarrow H_2CO_3$	
Reaction Type:	Reasoning:	

10.	10. HNO <sub>3</sub> + NaOH → NaNO <sub>3</sub> + H <sub>2</sub> O	
	Reaction Type:	Reasoning: