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Name:		Date:		
	Notes: Naming Ac	ids and Bases		
What kind of compou	unds are acids and bases?			
How are acids and ba	ases often defined?			
What safety symbol o	can be used on acids <i>and</i> bases	s?		
How did Arrhenius de	efine an acid?			
How did Arrhenius de	efine an base?			
What makes an acid s	strong?			
How is the acidity of a	a solution expressed?			
pH = -logarithm (hyd	lrogen ion concentration)		$pH = -log[H^+]$	
Determine pH of eac	h of the solutions below base	d on the concentratio	n of H+ ions.	
1. [H+] = 0.036 M	pH =	5. [H+] = 10.0 M	pH =	
2. [H+] = 0.15 M	pH =	6. [H+] = 0.0092 M	pH =	
3. [H+] = 0.00080 M	pH =	7. [H+] = 0.000067 M	pH =	
4. [H+] = 0.075 M	pH =	8. [H+] = 0.00021 M	pH =	
Significant Figure Rul	le for Logarithms:			
In a common logarithm, there are as many digits after the decimal point as there are significant figures in the original number.				
Explain the relationship between pH and hydrogen ion concentration.				
Which pH range is co	nsidered acidic?			
Which pH range is co	nsidered basic?			
What is the pH of wa	ter?			
What do we consider	r solutions with this pH?			
How can you precisely measure the pH of a solution?				
What can you use to determine if a solution acidic or a basic?				
	Acids turn it			
What are binary acids?				
What are acids of oxy	yanions?			

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Naming a BINARY ACID:				
1.				
3.				
4.				
What	do binary acids always begin with?			
Namii	ng the acid of an OXYANION:			
What	is the first thing you should do when trying to name an acid of a polyatomic ion?			
	If the polyatomic ion ends with, the acid will end with			
	If the polyatomic ion ends with, the acid will end with			
	Do you ever use the prefix <i>hydro-</i> with oxyanions?			
Name	the following acids.			
1.	HBr			
2.	H <sub>2</sub> CO <sub>3</sub>			
3.	HNO <sub>2</sub>			
4.	H <sub>2</sub> CrO <sub>4</sub>			
5.	HF			
6.	H <sub>3</sub> PO <sub>4</sub>			
7.	HCI			
8.	$HC_2H_3O_2$			
How	o you name an Arrhenius base?			
Name	the following bases.			
1.	KOH			
2.	Ba(OH) <sub>2</sub>			
3.	CsOH			
4.	Ca(OH) <sub>2</sub>			
5.	LiOH			
6	NH <sub>2</sub> OH			