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Name:	ame: Date:					
Notes: Neutralization Reactions						
What is the pH range of acidic solutions?						
What is the pH range of alkaline/basic solutions?						
What is the pH of a neutral solution?						
How can you precisely measure the pH of a solution?						
Litmus Paper Colors:	Acids turn it	Bases	turn it			
How did Arrhenius define a						
How did Arrhenius define an base?						
How did Brønsted-Lowry define an acid?						
How did Brønsted-Lowry define a base?						
Why is ammonia (NH₃) classified as a Brønsted-Lowry base but not an Arrhenius base?						
What makes an acid or base strong?						
Why are acids and bases electrolytes?						
What safety symbol can be used on all acids and bases?						
Naming Acids: Important F	acts:					
1						
Name the following acids.						
1. HCl						
2. HNO ₃						
3. HNO ₂						
4. HC ₂ H ₃ O ₂						
Determine pH of each of the solutions below based on the concentration of H+ ions.						
1. [H+] = 0.0023 M pH =		. [H+] = 0.0032 M				
2. [H+] = 0.45 M pH =	5	. [H+] = 0.0772M	pH =			
3. [H+] = 0.0007 M pH = 6. [H+] = 0.000001 M pH =						

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What liquid is produ	What liquid is produced when an acid neutralizes base?					
What is the pH of a neutralized solution?						
What other kind of compound is produced during a neutralization reaction?						
Determine the ions (with charges) that make each of the ionic compounds below.						
H ₂ CrO ₄	H ₂ SO ₃	LiOH	Sr(OH)₂			
cation	cation	cation	cation			
anion	anion	anion	anion			
Which ion is always written first in the chemical formula?						
Determine the formula of each of the salts below.						
Ca ⁺² PO ₄	i ⁻³	Ca ⁺² Br ⁻				
Li ⁺ Cl ⁻		K ⁺ SO ₃ ⁻²				
K⁺ Br⁻		Na ⁺ CrO ₄ ⁻²				
Ba⁺² NO₃	·	Sr ⁺² F ⁻				
Neutralization Reaction: Important Facts						
1						
For each of the neu expected.	tralization reactions show	n below, write the produ	icts that would be			
КОН	H + HBr →	+				
Ba(OH) ₂ + HNO ₃ \rightarrow _	+				
H ₃ P	$O_4 + Ca(OH)_2 \rightarrow $	+				
HBr	r + Ba(OH) ₂ →	+				
Nac	OH + H ₂ SO ₄ →	+				
LiO	H + HCl →	+				