

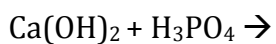
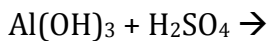
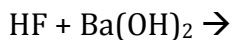
Name _____

Chapter 14 Homework

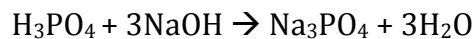
1. Complete the following chart comparing acids and bases

	Acids	Bases
How do they taste?		
What ion do they produce in water?		
What color do they turn litmus paper?		
Give two examples of each		
What is their pH range?		

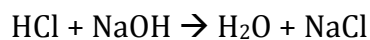
2. Complete and balance the following acid-base reactions



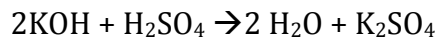
3. A 7.50 mL sample of H_3PO_4 is titrated with 0.109 M NaOH. If it takes 34.1 mL of NaOH to neutralize the H_3PO_4 , what is the concentration of the H_3PO_4 ?



4. If it takes 25 mL of 0.050 M HCl to neutralize 345 mL of NaOH solution, what is the concentration of the NaOH solution?



5. If it takes 52 mL of 0.57 M KOH solution to completely neutralize 125 mL of sulfuric acid solution (H_2SO_4), what is the concentration of the H_2SO_4 solution?



6. Complete the following chart

	[H₃O⁺]	[OH⁻]	pH	Acidic, Basic, or Neutral?
a	1.5 x10 ⁻⁴			
b		6.4 x 10 ⁻³		
c			11.7	
d			3.4	
e				neutral