**Acid & Base Properties**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. All acids release what ion when they’re in a water solution?
2. All bases release what ion when they’re in a water solution?
3. List these compounds in the correct rows…

 H2SO4 Ba(OH)2 KOH H3PO4 HF NaOH H2O

acids bases

1. Tell what the properties of acids and bases are in terms of…

reacting with a metal

acids bases

feeling in solution

acids bases

taste (if safe to do so)

acids bases

pH range

acids bases



1. Identify if the following is an acid or a base given the pH information.
2. Tap water = pH of 6.8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Some people’s saliva = pH of 5.6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Baking soda = pH of 8.2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Stomach acid = pH of 2.9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Milk of magnesia = pH of 10.5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Ammonia = pH of 12.1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Vinegar = pH of 3.0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Milk = pH of 6.9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Coca-cola = pH of 2.5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_