**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_**

**pH Practice**

***Find the pH of the following solutions.***

1. **0.0001 M solution of HCl**
2. **0.01 solution of H2SO4**
3. **0.000000000001 M solution of NaOH**
4. **0.0000001 M solution of pure water**
5. **1 M solution 0.001 solution of HNO3**
6. **A solution with a volume of .01 L and a .001 moles of solute**
7. **A solution with a volume of 0.1 L and 0.00001 moles of solute**
8. **A solution with a volume of 0.01 L and .00000001 moles of solute**
9. **A solution with a concentration of 1.0 x 10-7 M**
10. **A solution with a concentration of 1.0 x 10-12 M**
11. **A solution with a concentration of 1.0 x 10-3 M**
12. **A solution with a concentration of 1.0 x 10-9 M**

***Find the concentration of H+ ions for the following solutions.***

1. **pH=3**
2. **pH=0**
3. **pH=14**
4. **pH=7**
5. **pH=5**
6. **pH=10**
7. **pH=1**
8. **pH=8**