

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

## 19.1 – Acid-Base Theories

1. What are 3 characteristics of an acid?
2. What are 4 characteristics of a base?
3. What is an Arrhenius Acid?
4. What is an Arrhenius Base?
5. What is the difference between a monoprotic, diprotic, and a triprotic acid?
6. Looking at a compound, what is a clue that it is an acid? A base?
7. How does the Bronsted-Lowry theory describe acids and bases?
8. How does Lewis describe acids and bases?



18. What effects can soil pH have on plants?
19. Are all acid-base indicators good for all situations? Why or why not?
20. What is a pH meter?

### **19.3 – Strength of Acids and Bases**

21. What is the difference between a strong acid and a weak acid?
22. What is the difference between a strong base and a weak base?

### **19.4 – Neutralization Reactions**

23. What is a neutralization reaction?
24. When you react an acid with a base what are the two products?

25. What is a salt?
  
  
  
  
  
  
  
  
  
  
26. How can you use titration to calculate the concentration of a solution?
  
  
  
  
  
  
  
  
  
  
27. What must you never forget to use when you do a titration?

### **19.5 – Salts in Solution**

28. What is a buffer?
  
  
  
  
  
  
  
  
  
  
29. What is the job/purpose of a buffer?
  
  
  
  
  
  
  
  
  
  
30. What is buffer capacity?
  
  
  
  
  
  
  
  
  
  
31. How are buffers used in our bodies?