**Study Guide -- Acids and Bases**

1. List 5 examples of acids.
2. List 5 examples of bases.
3. Draw and color a **Red Cabbage Indicator Chart.**
4. What is the **safest** way to test a substance for acidity and alkalinity?
5. What type of ions do acids give off?
6. If a substance is neutral, what is its pH?
7. What would be a reasonable pH level of the dish soap in your kitchen?
8. Toothpaste most likely has pH level of how much?
9. How does an acid taste?
10. What number on a pH scale would an extremely strong acid have?
11. What number on a pH scale indicates a strong base?
12. List at least 3 characteristics of bases.
13. Which substance would change an indicator from red to blue when tested?
14. Which of the following substances is NOT a common base?
15. If cabbage juice turns green when mixing it with a substance, according to the **Red Cabbage Indicator Chart** what would have been used?
16. A substance’s\_\_\_\_\_\_\_\_\_\_\_\_\_ level can be tested using indicators.
17. Are substances with a low pH acids or bases?
18. Are substances with a high pH acids or bases?
19. What are substances with a pH level of 7 considered?
20. What pH level has to be maintained in order to have a healthy environment for life?
21. If you don’t have real litmus paper, what can be used to test substances for pH levels?
22. \_\_\_\_\_\_\_\_\_\_\_ turn pH paper blue, and \_\_\_\_\_\_\_\_\_\_\_ turn pH paper red.
23. What does pH stand for?
24. What is pH a measurement of?
25. When an acid is touched, what are two sensations that possibly will be felt.
26. According to **Red Cabbage Indicator Chart**, what are two colors that show something is a base?