

Acids, Bases, and pH Lab

To do this lab you will need:

- 6 different substances that you find around your house
- One Red Cabbage
- One dropper
- One tablespoon
- 6 small cups
- One pot of boiling water

First, chop the cabbage and boil it in the boiling water for 5 minutes or until the water is dark purple. Next, put 4 tablespoons of each substance into each of the small cups. Finally, take the dropper and put 40 drops of cabbage water into each cup and watch the cabbage water change colors. If you would like to use more or less of each substance use 10 drops of cabbage water for each tablespoon of substance you use.

Record your results in the table and answer the questions using your own information and the chart below.

[illegible]



Questions:

1. What was the most acidic substance you tested?
2. What was the most basic substance you tested?
3. Were these results what you expected?
4. What results were you most shocked by?
5. Which of your substances had the most Hydrogen ions?
6. Which of these had the most Hydroxide ions?
7. Which of these substances was the closest to neutral?

Sources

http://www2.nau.edu/lrm22/lessons/acids_and_bases/acids_and_bases.html