

Cabbage Juice Lab



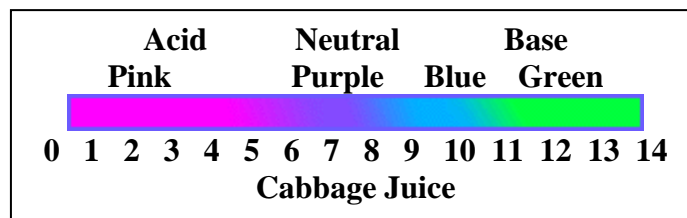
Directions:

1. Label your plastic cups #'s 1-6
2. Choose one solution and pour a small amount into plastic cup #1.
3. Write the name of the solution into your data table.
4. One at a time, dip the red and blue litmus paper into the solution.
5. Record results into your data table.
6. Add 1 - 2 tablespoons of red cabbage juice to the cup and swirl.
7. Record color change.
8. If available, use one other indicator and record your data.
9. Determine if the solution is an acid, base or neutral
10. Repeat with solutions #2-6.
11. Clean up. Pour contents into sink and throw out used cups.

Plastic Cup #	Solution	Red Litmus	Blue Litmus	Color - Red Cabbage Juice	Optional Indicator	Acid/Base or Neutral?
1						
2						
3						
4						
5						
6						

Indicator Keys:

Litmus	Acid	Neutral	Base
Red	Red	Red	Blue
Blue	Red	Blue	Blue



Cut along dotted lines and paste into lab journal



Analysis/Results:

- 1) Name the acids.
- 2) Name the bases.
- 3) Name the neutral solutions.
- 4) What color did the cabbage juice turn to indicate an acid? A base? Neutral?
- 5) Why is it important to use both blue and red litmus paper to determine pH?
- 6) What other indicators did you use in this experiment? Describe what you used, the color changes, and pH.

Conclusion: 2 – 3 sentences on what you learned by doing this activity.



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