

Cabbage Juice Mystery

In this lab, you will add red cabbage juice to a variety of substances and observe what happens. Your job is to determine what the cabbage juice measures. In other words, what makes it change color?

Observations:

1 -

2 -

Problem:

Hypothesis:

Procedures:

- Add 3-4 drops of cabbage juice to each of the liquids provided.
- Record the color of each liquid on the data table below.

Data Table: Fill in this table as you work through your testing liquids.

Liquid	Cabbage Juice Color

Questions:

- 1) What was the original color of the cabbage juice? _____
- 2) a) In which liquids did the cabbage juice turn red?

b) What do all of these liquids have in common?

3) a) In which liquids did the cabbage juice turn blue or green?

b) What do all of these liquids have in common?

4) a) In which liquids did the cabbage juice stay its original color?

b) What do all of these liquids have in common?

5) Write a paragraph (at least four sentences) explaining what you think the cabbage juice measures and what evidence you have to prove this.

6) List one other liquid (not used in this experiment) that would:
 - a) turn the cabbage juice red and WHY...

 - b) turn the cabbage juice blue or green and WHY...

 - c) turn the cabbage juice purple and WHY...