During this lab, it is very important to record qualitative data after you complete every single step. Write down everything you observe and be very specific.

*In this lab, you will be working with a universal indicator. It is dangerous if it touches your skin, if you breathe it in, or ingest it in anyway. Please use caution and do not waste this expensive ingredient.

1. Using masking tape, label three beakers A, B, and C
2. Place 25 drops of universal indicator in beaker A
3. Measure out 200 mL of water and add it to beaker A
4. Place a dropper full of vinegar in beaker B
5. Measure out 0.5g of baking soda and place this in beaker C
6. Carefully, pour the contents of beaker A into beaker B
7. Then, pour the contents of beaker B into beaker C

Did your solution change color?

Why do you think this happened?

What experiment could you design using this reaction?

Write a problem statement and describe what you would use for a control.