

## Conservation of Mass Inquiry Lab

### Problem:

Using the following materials, create a lab experiment that supports the Law of Conservation of Mass.

### Materials:

- 3 balloons
- Vinegar
- Baking Soda
- 50 mL Erlenmeyer flask
- Electronic Balance
- Items in the back cabinet

### Grading:

- You will complete a formal Lab Report for this lab.
- I will be very critical when reading your procedure so make sure it a stranger would be able to repeat your experiment EXACTLY

### Questions:

1. What proof do you have that a new substance is being created?
2. If your “before and after” masses did not match, what are some possible explanations?