



Name _____

Conservation of Mass

Background Information: The Law of Conservation of Matter (or Mass) states that **matter cannot be created nor destroyed** in an ordinary chemical reaction. No atoms are gained or lost in a reaction; they are just rearranged.

If you measure the total mass, or amount of matter, before and after any chemical or physical reaction, and then again after the reaction, the amount will be the same. The atoms in the molecules that reacted did not go anywhere. They were simply rearranged. No new atoms were created, molecules broke apart and reformed into new molecules.

Given these supplies:

1. plastic bag
2. baking soda
3. vinegar
4. triple beam balance
5. spoon

Design an investigation to demonstrate the Law of Conservation of Mass.

Describe what you did in your investigation here:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Collect data during your investigation here:

Graph your data here:



