

## Lab #2: Balancing Chemical Equations

**Pre-Lab:** What does the word “Balance” mean in chemistry?

### Part A: Is Matter Really Conserved?



#### Materials:

Calcium Carbonate,  $\text{CaCO}_3$

Hydrochloric Acid,  $\text{HCl}$

Balloon

Beaker

Erlenmeyer Flask

Plastic Bag

Graduated Cylinder

Rubber Bands

Scale

#### Procedure:

Design an experiment to find out if the mass of the starting materials is equal to the mass of the ending materials.

#### Must Haves:

1. Safety Concerns
2. List Items used
3. Amounts of chemicals (No more than 5 g of  $\text{CaCO}_3$  and 10 mL of  $\text{HCl}$ )
4. A table to record data and masses
5. Teacher Approval