Purpose:

Materials:

Baking soda	Calcium chloride	Ziplock bag
Bromothymol blue	Weigh boat	Balance

Procedure:

Read the procedure carefully! Follow all directions!

PUT ON GOGGLES!

1) Read the procedure and read the data table
2) Put one teaspoon of baking soda into one corner of the plastic bag. Record your observations.
3) Put one teaspoon of calcium chloride into the opposite corner of the plastic bag. Record your observations.
4) Measure 15mL of Bromothymol Blue solution. Carefully pour the solution into a weigh boat. Make sure that you do not spill. Record your observations.
5) Carefully place the weigh boat into the bag as not to spill any solution.
6) Carefully squeeze as much air out of the plastic bag as much as you can, and seal it tightly.
7) Carefully place the plastic bag on the balance and record this mass.
8) Spill the Bromothymol Blue out of the weigh boat by tilting the weigh boat. Mix the contents of the bag.
9) Record observations for several minutes.
10) When finished making observations, take the mass of the bag. Record observations in your data table.
11) Clean up by taking the weigh boat out of the bag. Rinse the weigh boat with plenty of water. Place the plastic bag in the trash. Clean the rest of the equipment.

Data Table:

	Observations (color, temp, action, etc)
Teaspoon of baking soda in Ziploc corner	
Teaspoon of calcium chloride in Ziploc corner	
With Bromothymol Blue boat in Ziploc	
Mass before reaction (grams)	
All mixed together	
Mass after reaction (grams)	

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Glue this part onto your notebook paper

Chemistry in a Ziploc Bag

Signs of a Reaction and Conservation of Matter

Glue this part onto your notebook paper

Chemistry in a Ziploc Bag

Signs of a Reaction and Conservation of Matter