Title

**Purpose:** (This does not have to be a complete sentence.) To perform the lab and explore the properties of the chemical in hand.

(SPACE BETWEEN ALL LABELS)

**Materials:** (List format works best)

* Beaker
* 200 ml Hydrochloric Acid
* 3 ball bearings
* 1 scale
* 2 graduated cylinders
* 100 pennies
* 25ft of copper wire
* Goggles
* Acid proof Apron
* Acid Proof gloves

**Hypothesis:** (complete sentences with as much description as possible) I believe that after soaking the bearings and pennies in acid the 2 metals will form a new alloy.

**Procedure:** (these are the steps taken or followed in the Lab, usually complete sentences are helpful but not always necessary)

1. Measure out 200 ml of HCl
2. Properly clean 3 ball bearings and the 100 pennies to remove any outside materials
3. While wearing proper safety equipment lower the pennies and bearings into the predetermined amount of HCl.

**Observations:** (This is what actually was observed or happened in the lab, could be complete sentences, could be pictures or numbers)

Day 1- When 1st placed in the acid solution the materials did not seem to react immediately.

Day2- when observed on the 2nd day the items in the HCl have shown much change. (PIC) The pennies seem to have completely melted and are separating out. There has been a noticeable color change in the solution. It has turned a greenish brown.

Day3- ETC…

**Analysis:** (this is where calculations, graphs and such are placed, I don’t usually use this section)

**Conclusion:** (This is where you reflect on the procedure, tell what could’ve gone wrong, what you could’ve done different, why you think things happened the way they did, and reflect on what you learned!! This is NOT where you tell what happened. If you feel the need to briefly describe results to set up conclusion that would be ok… MOST IMPORTANT PART!!! **TELL ME WHAT YOU LEARNED**)