

## Copper Cycle Lab HW

*(This consists of a lab report and a book assignment)*

### **Lab Report:**

These are the items (in order) you must include in your **typed** lab report (there are computers in the library you can use if you are having printer/computer problems):

1. **Title of Experiment**- you do NOT need a title page
2. **Purpose of the Lab**- 1 sentence
3. **Procedure** – You may photocopy your drawings you made on page 26 of your notebook or you may type out the lab procedures. The Copper Cycle Lab procedure steps can be found in the calendar on my website.
4. **Data** – Type out your Data Table #1 into a table. This is on page 27 of your notebook.
5. **Results** – There are 3 things you must do for this section:
  - a. Type out the chemical reactions for each step of the experiment. See page 28 of your notebook.
  - b. Explain what happened to the copper at each step of the experiment. (This should be a small paragraph, 5-7 sentences. Use Data Table #2 on page 27 to guide you.)
  - c. Answer the following question: Did you end up with the same copper atoms at the end of the experiment that you started with at the beginning? Explain in detail.  
(This should be a small paragraph, 5-7 sentences.)
6. **Conclusion** – Explain how this experiment supports the claim that copper is an element.  
(This should be a small paragraph, 3-5 sentences.)

**\*\*Please note:** This is an independent report. You may not work on this report with any other chemistry student (even though you did this with your team). If more than one student turns in the same report, all students will receive zeros for this assignment. It is an independent assignment. If you need help, I will be more than happy to help you before school, during break, 2<sup>nd</sup> lunch on B days, or after school with an appointment. ALSO, late reports will NOT receive full credit. You will receive 50% of the earned grade! Bottom Line: Do it by yourself and get it in on time!

## **Book Homework:**

Read and outline (Cornell style) Section 3.4 (pages 70-74 ONLY) AND 6.1 in your chemistry textbook. Then answer the following assessment questions:

1. Sketch a simplified version of the periodic table and indicate the location of groups, periods, metals, nonmetals, and metalloids.
2. Describe the general characteristics of metals, nonmetals, and metalloids.
3. Identify each of the following as a representative element or a transition element.
  - a. Lithium (Li) c. Promethium (Pm)
  - b. Platinum (Pt) d. Carbon (C)