



## Part 1 - Day 1

Purpose - to practice laboratory techniques, measurement, and stoichiometry calculations in an effort to gather information to allow the calculation of moles of copper (product) produced. Use the moles of copper produced to allow the mole ratio of iron reactant to copper product to be discovered.

Procedure - follow the procedure as outlined on your lab handout.

Data and Observations - record the followings pieces of data to aid in answering the purpose.

- 1.) Mass of clean and dry 250 mL beaker.
- 2.) Mass of beaker with copper (II) chloride added.
- 4.) Mass of two cleaned nails
- 5.) Record what you see happening during the first few minutes after the nails are added to the copper (II) chloride solution.
- 7.) Mass of nails after reaction with the copper (II) chloride solution.
- 12.) Mass of beaker with copper metal.