Experiment 10: Analysis of a Penny

Procedure A: Combination Reactions: Instructor Demonstration

1. Mg Ribbon

2. S in Deflagrating Spoon
Procedure B: Decomposition Reactions

1. Copper (II) Sulfate Pentahydrate

While heating the test tube, watch for something here, too!

2. Sodium Hydrogen Carbonate

You’ll set up the ring stand, ring, and wire gauze for heating the flask.

This is how you’ll hold the burning wood splint in the mouth of the flask.

Use a clean Scoopula to cover the bottom of the flask with baking soda.
Procedure C: Single-Replacement Reactions

1. Silver Nitrate & Cu

2. HCl & Mg

3. DI Water & Ca
Procedure D: Double-Replacement Reactions steps 1-3.

Procedure E: Neutralization Reactions steps 1-3.
Procedure F: Percentages of Copper and Zinc in a Penny

1. post 1982 penny:
2. use analytical balance
3-6

Cu scraped off to reveal inner Zinc slug

part 1-2

part 3-4

Please do this part in the hood.

part 5