

Activity 3 Overview

In this activity students measure how many times greater mass a copper atom has than an aluminum atom. They discover that atoms react in definite proportions of mass when forming a compound.

Safety Requirements

In the margins of the student pages you will find safety warnings that should be rigorously followed.

- Goggles
- Apron

Preparation and Materials Needed

Preparation

Set up the ringstand, ring, and funnel for filtering of the residue in advance of the laboratory period.

Materials/Chemicals needed

For each lab group

- Aluminum foil
- Scissors
- Balance (class)
- Copper (II) chloride (can be anhydrous or dihydrate)
- Filter paper
- Funnel
- Ringstand/ring
- 50 mL beaker
- 100 mL beaker