

Name:

Date:

Pd:

Unit 1: Science Skills

The Thickness of Foil

Purpose: You are already familiar with the concepts of mass, length and volume. We just studied density, another property of a substance that helps us define it. You will be given a square or rectangular piece of aluminum foil and must experimentally determine the thickness of it.

Procedure:

In the space below briefly explain the steps that you will take to perform this activity. Remember, a procedure should be detailed enough so that someone who is unfamiliar with the lab would be able to perform it by reading your directions, but it also shouldn't be too wordy.

Data:

In the space below construct a data table that clearly shows any measurements that you took during the activity. Use a straight-edge to draw your tables. Use centimeters (cm) and grams (g) for your units.

Analysis:

In the space below calculate the thickness of aluminum foil. Show all work and include units.

Density of Al = 2.70 g/cm^3

Conclusion:

Actual thickness: _____ (g)

Sources of error:

Percent error: