

Introduction to Chemistry
Quiz 2 c

Name: _____
Date: _____

Metric Units and Conversions
Volume Determination
Temperature and Heat

1. Perform the following conversions given (1 inch = 2.54 cm) (1×10^{-2} m = 1 cm)

(a) 4.4 inches to cm

(b) 19.871 cm to m

2. Calculate the density of a rectangular solid in grams per cubic centimeter given that its mass = 83.451 g, length = 3.1 cm, width = 4.2 cm, and thickness = 1.8 cm.

3. Determine the volume in mL taken up by a cylinder solid with a mass of 4.5g and a density of 1.99 g/cm^3 .

4. Fold quiz with your work inside, then write your name on the outside.