

Name _____

Section _____

Lab Instructor _____

Date _____

EXPERIMENT 3 Density Determinations

PRE-LABORATORY QUESTIONS

1. An insoluble, nonreactive solid metal sphere weighing 18.45 g is added to 21.7 mL of water in a graduated cylinder. The water level rises to 26.8 mL. Calculate the *density* of the metal.

2. An empty beaker weighs 32.4257 g. A 10-mL pipet sample of an unknown liquid is transferred to the beaker. The beaker weighs 40.1825 g when weighed with the liquid in it. Calculate the *density* of the unknown liquid.
