

Name _____

Section _____

Lab Instructor _____

Date _____

EXPERIMENT 3 Density Determinations

RESULTS/OBSERVATIONS

A. Density of Solids

ID number of regular solid _____ Shape _____

Dimensions of solid _____

Calculated volume of solid _____

Mass of solid _____ Density _____

ID number of metal pellets _____ Mass _____

Initial water level _____ Final water level _____

Calculated density of metal _____

B. Density of Pure Liquids

Mass of empty graduated cylinder _____ Mass of cylinder plus water _____

Volume of water _____ Density _____

Temperature _____ Handbook density _____

ID number of unknown liquid _____

Mass of cylinder plus liquid _____

Volume of liquid _____ Density _____

C. Density of Solutions

<i>% NaCl</i>	<i>Density measured</i>	<i>Temperature</i>	<i>Handbook value</i>	<i>% error</i>
5%	_____	_____	_____	_____
10%	_____	_____	_____	_____
15%	_____	_____	_____	_____
20%	_____	_____	_____	_____
25%	_____	_____	_____	_____