

Name \_\_\_\_\_

Honors Chemistry

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You are finding the densities of the following items, calculating your percent error and discussing the procedures you followed.

Substance	Theoretical Percent Error
Aluminum bar	2.70 g/mL
Lead Sinkers	11.4 g/mL
Wooden Block	0.784 g/mL
Rubber Stopper	1.31 g/mL
Liquid 1	1.11 g/mL
Liquid 2	0.79 g/mL
Iron Nail	7.87 g/mL

You have access to an electronic balance, graduated cylinders, beakers a ruler and a dropper pipette.

Density Lab Report Format (it must be typed): Turn in one per group.

1. All Group Members Full Names
2. Date of Lab (9/16/2014 or 9/17/2014)
3. Lab Title (The Density Lab)
4. Objective ((To find the density of several objects)
5. Equipment and Reagents (everything used during the experiment)
6. Procedure for Each Density Determination
7. Data Tables Showing ALL Recorded Data
8. Calculations Sections Showing All Calculations (they can be hand written).
9. Discussion/Conclusions: Summarize the results and what they mean. Discuss the pertinent chemical theories behind your results. What are sources of error? How big are the errors? What could be done differently? I want you to analyze your work and the lab procedure. Did you use the correct equipment?

#### Density Lab Rubric:

All Group Members Full Names:	0	1						
Date of Lab:	0	1						
Lab Title:	0	1						
Objective:	0	1						
Equipment and Reagents Used:	0	1						
Procedure for Each Density Determination:	0	2	4	6	8	10	12	14
Data Tables Showing ALL Recorded Data:	0	1	2	3	4	5	6	7
Calculations Sections Showing All Calculations:	0	1	2	3	4	5	6	7
Discussion/Conclusions:	0	1	2	3	4	5	6	7

Total: \_\_\_\_\_ / 40