Grade Rubric for the Penny Density Lab Formal Report

1 pt Title

3 pt Intro Density formula, how to measure graphically

Water displacement method

Penny history

2 pt Purpose Old penny density (pre 1982)

New penny density (post 1982)

2 pt Hypothesis Which higher density?

Justified.

3 pts Procedure Steps from handout

Past tense, First person

What YOU DID specifically, including equipment

3 pts Data Old penny data table

New penny data table

Preliminary measures

3 pts Results 2 mass and volume tables

2 graphs w/ lines (attached)

2 slope calculations = densities.

3 pts Discussion 1) Old penny % error to 8.96 Cu

2) Pick metal closest to New penny

3) two sources of error

2 pts Conclusion 1) Answers purpose by reporting 2 densities

2) answers hypothesis by comparing, confirm or refute

3 pts Format Parts present and in order, Properly labeled with name dates etc…

Spelling grammar readable

Sigfigs and units on all measurements