Penny Density Lab Peer Grading Rubric

Whose lab report are you grading? _____

Grader's Name _____ Date _____ Períod _____

***Take off at least one point for each box that is not checked in the table below.

Requirements	Earned	Possible	Comments
	<u>Points</u>	<u>Points</u>	
Heading			
Experiment title		3	
□ Lab partner(s)			
Date of experiment			
Pre-lab			
Purpose			
Protocol		4	
Numbered steps			
□ Imperative			
Detailed enough to follow			
 "Density of Metals" Table (-1/2 if no title) 			
Table includes: Mass, Volume, Density		6	
(experimental and actual)			
Penny data Table (-1/2 if no title)			
Table includes Mass, Volume and Density			
for pre-1982 and post 1983 pennies			
Appropriate units in the header			
Legible and organized			
 All calculations clearly labeled Percent Error for each metal 			
Gerror ≈ (Theo-Expt)/Theo x 100 (1 point) Substitution		24	
Boxed Answer with % units			
 Alumínum (2 poínts) Zing (2 poínts) 			
o Zínc (2 poínts)			
Copper (2 points)Lead (2 points)			
o Lead (2 points) Pre-1982 Percent Error			
Substitution			
 Boxed answer with % 			
Post-1983 Percent Error			
□ Substitution			
 Boxed answer with % 			
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Slope f	ormula			
	$(y_2-y_1)/(x_2-x_1)$			
	Substitution			
	Boxed answer			
Graph	boxed answer			
	Title - "The Effect of Volume on Mass"			
	2 Best fit lines drawn thru origin (2 points)			
	4 data points for each line			
	Legend			
	Labeled Axes			
	Units			
	Scale			
Analy	sis/ Conclusion and Evaluation			
-	Complete Sentences			
	Correct spelling and grammar			
	aph 1: (4 points)			
	Appropríate topíc sentence			
	pennies are made out of (the core)			
	Provídes evidence that supports claim		10	
	Explains the slope of the graph and how		10	
	that demonstrates precision			
	aph 2: (4 points)			
	Discuss the % error for the different metal			
	samples.			
	Discuss the % error for penny densities			
	Discuss the degree of accuracy			
	How can the results be improved?			
Prese	ntation			
	Well-organized, sections clearly labeled			
	Neat, legible writing			
	Table of contents includes information		3	
	Page numbers included		,	
	Lab is written in ink			
	Errors properly crossed out, no white out			
	Writes on one side of the page only			

Total points earned: _____/ 50

Write two things the student did well in this lab report:

Write two things that the student could do to improve the lab report:

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