

Gravimetric Analysis Lab Peer Grading Rubric

Whose lab report are you grading? _____

Grader's Name _____ Date _____ Period _____

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

<u>Requirements</u>	<u>Earned Points</u>	<u>Possible Points</u>	<u>Comments</u>
Heading <ul style="list-style-type: none"> <input type="checkbox"/> Date of experiment <input type="checkbox"/> Lab partner(s) <input type="checkbox"/> Experiment Title 		3	
Pre-Lab <ul style="list-style-type: none"> <input type="checkbox"/> Purpose Background Knowledge <input type="checkbox"/> Questions 1-2 (2 points) <input type="checkbox"/> Data table (3 points) <input type="checkbox"/> Materials <input type="checkbox"/> Safety Protocol <ul style="list-style-type: none"> <input type="checkbox"/> detailed enough to follow <input type="checkbox"/> imperative <input type="checkbox"/> numbered 		11	
Data <ul style="list-style-type: none"> <input type="checkbox"/> Data Table (-1/2 if no title) <input type="checkbox"/> Concentration of CaCl_2 (M) <input type="checkbox"/> Mass of CaCO_3 collected (g) <input type="checkbox"/> Percent Yield <input type="checkbox"/> Water Hardness (mg/L or ppm) <input type="checkbox"/> Classification <input type="checkbox"/> Units included in header <input type="checkbox"/> Neat, drawn with ruler, easy to read 		8	
Data Processing <p>Percent Yield</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mass of CaCO_3 collected/Theoretical Mass of CaCO_3 x 100 <input type="checkbox"/> Substitution (1/2 each x 6 = 3 points) <input type="checkbox"/> Boxed answer with % (1/2 each x 6 = 3 points) <p>Water hardness for each sample</p> <ul style="list-style-type: none"> <input type="checkbox"/> Shows work calculating water hardness (1 pt each x 6 = 6 pts) <input type="checkbox"/> Boxed answer with mg/L or ppm units (1 pt each x 6 = 6 pts) <input type="checkbox"/> All calculations are clearly labeled and easy to understand 		20	

<p>Conclusion and Evaluation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete sentences <input type="checkbox"/> Correct spelling and grammar <p>Paragraph 1:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How is gravimetric analysis used to analyze water samples? <input type="checkbox"/> Gravimetric analysis not accurate for “soft” water samples <input type="checkbox"/> Identifies sources of error <input type="checkbox"/> How could results be improved? 		6	
<p>Presentation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Well-organized, sections clearly labeled <input type="checkbox"/> Neat, legible writing <input type="checkbox"/> Table of contents includes information <input type="checkbox"/> Page numbers included <input type="checkbox"/> Lab is written in ink <input type="checkbox"/> Errors properly crossed out, no white out <input type="checkbox"/> Writes on one side of the page only 		2	

Total points earned: _____ / 50

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

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

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