

Regents Chemistry Lab Write Up

HEADING:

Name:

Date:

Period:

Lab number:

TITLE: Find this directly on lab.

PURPOSE: Write a few brief sentences describing the objective of the lab exercise. (HINT: This may be found right on the lab handout!)

MATERIALS: What did you use to perform this lab? (See HINT listed above.)

PROCEDURE: Please give me a summary of how you did this lab...Describe the steps you followed so that someone else could do this lab based on your description!

DATA/OBSERVATIONS: Make sure your measurements ALL include units. Describe what you saw...it may help us to understand your results.

CALCULATIONS / GRAPHS: Calculations must include **Units**. Your graph must be a scientific graph (line graphs only), which includes a **Title**, **Labeled Axes**, and a **Correct Scale Including Units**.

QUESTIONS: (pre-lab and post-lab) Answer questions by including part of the question in the answer. (Ex: Why did the balloon get smaller? The balloon got smaller because...)

CONCLUSION: A paragraph describing the **results** of the lab, (Were they what you expected? Explain.) the **accuracy** of your results (percent error if applicable), **what you learned** from the experience, and any **problems** that you encountered. Also include your opinion of the lab. How could the lab be improved to get better results?

****ALWAYS...**Include 3 sources of error** in your conclusion! ****

GRADING RUBRIC FOR CHEMISTRY LABS

POINTS		QUALITY	NOT ACCEPTABLE
2 points	Format/Organization	<ul style="list-style-type: none"> • Heading • Lab title • Purpose • Materials • Procedure • Data/Observations • Calculations/Graphs • Questions • Conclusion 	<ul style="list-style-type: none"> • Does not follow prescribed format
2 points	Mechanics & Neatness	<ul style="list-style-type: none"> • Spelling • Punctuation • Capitalization • Typed or neatly written • Easily read • Easy to follow • Well laid-out 	<ul style="list-style-type: none"> • Five or more errors • Hard to read or follow • Lacks logical progression • Messy or illegible
2 points	Completeness	<ul style="list-style-type: none"> • All applicable lab components described in detail 	<ul style="list-style-type: none"> • Components missing • Components incomplete • Point of component(s) unclear
2 points	Accuracy	<ul style="list-style-type: none"> • Calculations accurate • Work Shown • Units labeled 	<ul style="list-style-type: none"> • Some answers incorrect • Work not shown • Units not labeled
2 point	Analysis/Conclusion	<ul style="list-style-type: none"> • Three valid sources of error • clearly demonstrates an understanding of experimental results • clearly demonstrates understanding of chemistry concepts in the lab 	<ul style="list-style-type: none"> • Invalid or missing sources of error • Incomplete or inaccurate interpretation of results • Incomplete, unclear, or inaccurate knowledge of chemistry concepts

TOTAL POSSIBLE POINTS = 10

Students must earn 6½ out of 10 points to receive lab hour credit.

ROY C. KETCHAM HIGH SCHOOL LABORATORY SAFETY RULES

1. Follow all instructions given by the teacher.
2. Protective goggles must be worn at all times while in the lab area unless otherwise directed by the teacher.
3. Horseplay will not be tolerated.
4. No food or beverages are allowed in the lab area.
5. Report any injury or accident immediately to the teacher.
6. Know all fire procedures.
7. Keep all aisles and tables as clear as possible.
8. Read all procedures and be familiar with them prior to doing the lab.
9. Know the location and operating procedures of all safety equipment.
10. Students are NOT, under any circumstances, permitted to enter any storage or prep rooms.
11. Students are NOT, under any circumstances, permitted to remove chemicals, equipment or compounds from the lab area unless otherwise directed by the teacher.
12. All unauthorized experiments are prohibited.
13. Use only equipment and materials that are authorized by the teacher in the manner that they are meant to be used.
14. Dispose of all chemicals in proper containers designated by the teacher.
15. Never taste or directly touch anything in the lab unless directed to do so by the teacher.
16. Never leave an experiment unattended.
17. Never leave an open flame unsupervised.
18. Clean up after yourself.

I, _____, have read and fully understand the above rules. I understand the potential hazard in the lab if safety is disregarded. My teacher has instructed me to abide by the safety rules printed here and any other additional safety advice he/she may have given me.

STUDENT'S SIGNATURE

DATE

PARENT'S SIGNATURE

DATE