

# Regents Chemistry Lab Report Guidelines

(Staple on first page of Lab Notebook)

## Lab Report Order

1. Your Name, Partner Name(s), Due Date, Class Period
2. Title of Lab
3. Purpose/Objective
4. Pre-Lab Questions
  - Answer all pre-lab questions in complete sentences
  - If there are no pre-lab questions, leave this section out
5. Safety Concerns
  - Make a bulleted list
6. Materials
  - Make a bulleted list
7. Data/Results Tables
  - Copy data tables from lab
  - All data must be legible and all units must be included.
8. Observations
  - Describe what you see, hear, feel and smell during the experiment.
9. Calculations
  - Organize all calculations and show all work, even if it seems repetitive
  - If there are no calculations leave this section out
10. Graphs/Tables
  - Include a table of calculated answers
  - Graphs must be on graph paper and include:
    - Title of Graph and labeled axes
    - X-axis: Independent, constant variable (what you know in advance)
    - Y-axis: Dependent variable (what you are measuring/calculating)
11. Analysis or Post-Lab Questions
  - Answer all lab questions in complete sentences
12. Conclusion
  - Restate the results of the experiment
  - Answer the following questions:
    - Did you reach the goal of the lab?
    - What was learned from the lab? Why is it important?
    - What improvements could be made to this experiment?
  - Conclusions should be concise, demonstrating a strong understanding of the concepts demonstrated. Do not just summarize the procedure!