

This document takes a critical look at your experiment and draws conclusions about your problem and hypothesis. Your conclusion must be typed and in good paragraph form. Use CSET to form your conclusion. Your conclusion is due THURSDAY APRIL 16th.

Your conclusion should include the following:

Paragraph 1:

- State your problem and answer it! What are your claims?
- Use evidence (average data or patterns in data) NOT individual trials to support your answer
- Explain WHY you got the results you did. Use science (and your research!) to interpret your findings.
- Reflect back to your hypothesis- why did you make this hypothesis, was it **supported or not supported** by your data. Cite specific data that supports your answer.

Paragraph 2:

- Describe at least 2 “sources of error” that could have affected your results. Explain how these “errors” really affected your data.
- Is your data valid and reliable? Did you use multiple trials? Why was this important? What control(s) or constants did you use to run a scientific experiment?
- Describe how your experiment could be improved. Explain any other experiments that you or someone else could do on this topic.

Paragraph 3:

- Describe how your finding apply to the “real world”- how will it help people solve real problems, make the world a better place, etc.
- Explain what you learned, and create a concluding sentence (tie-in). Do NOT just say that your experiment was “fun!”

Conclusion Scoring Guide

Component of conclusion	Very Thorough 4	Good 3	Needs Work 2	Poor 1	Not Done 0
Answer to the problem. Supported					
Data or observations included					
Reflects on hypothesis- cites specific examples					
Source of error stated and explained					
Validity of data explained					
Ways to improve and other experiments					
Real world connection					
Conclusion is in good paragraph form with a good introduction and closing					
Conclusion is typed, professional and well organized					
Total ____/36 = ____ %					