

# DEADLINE 5:

## Writing Your Conclusion and Future Research

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Use your Deadline Worksheets and data you gathered during your lab to complete this planning sheet. Your answers do not have to be in complete sentences- this is designed to help you plan out your conclusion. The final draft of your conclusion should be written on blank paper and attached to this sheet.

### CONCLUSION

**A. Introduction:** Restate the purpose of the experiment and your hypothesis.

The purpose of this experiment was...

I predicted/my hypothesis was...

**B. Data Analysis:**

My data/graphs show that...

- Compare your experimental group to your control group.
- Explain any differences or patterns observed using specific numbers/ averages for each independent variable

I [accept/reject] my hypothesis because... (Include the specific data or trends that made you decide to accept or reject).

- C. **Other Interpretations:** Look at the information you gathered from your experiment. What stands out to you that is unrelated to your hypothesis? What patterns do you see in the data and what do you think they mean?

My [data/graphs] can also show that... (Explain other possible interpretations of data).

This is important because... (Explain how these other patterns in your data relate to your topic or your hypothesis. Explain why you think they are there and why they are important).

- D. **Sources of Error:** Imagine if this experiment was conducted perfectly. What are the differences between a perfect experiment and our experiment? How do you think these differences (sources of error) affected our results? Look back at your procedure- was it followed correctly? Are your calculations correct (check them with a partner)? Did the measuring tools you used take accurate data?

One possible source of error was....

This might have affected...

Another potential source of error was...

This might have affected...

An additional source of error was...

This might have affected...



## Peer Review of Conclusion

Have 2 peers from class review your conclusion. Use the feedback to revise your conclusion as needed.

Feedback should include: +: positive feedback     $\Delta$ : suggested changes

Peer Review 1

+:

$\Delta$ :

Peer Review 2

+:

$\Delta$ :

### Final Draft Conclusion

After you have had your conclusions and data reviewed by your peers, use your planning sheet (15) to write out your complete conclusion in complete sentences.

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### Teacher Approval

Notes: \_\_\_\_\_ (Signature) \_\_\_\_\_ (Date)