How do I write a conclusion? Well, it's just a big CER (with one extra piece. It's a CER-FI.)

Information to Guide Your Conclusion:

	What do I write about?	**Possible Sentence Starters**
CLAIM	Answer your own research question. Did you accept or reject your null hypothesis?	Based on this study...
EVIDENCE	Reference numbers (with units!) from your results section. If there was a difference, say HOW MUCH. **Do not say "look at the graph"** If you don't have numbers, describe what happened in as much detail as possible. Look for patterns and relationships.	I observed… The data does/ does not support… I was able to …. But was limited by … Despite my efforts...
REASONING	WHY do you think you saw the results that you did? Was it different or similar to your initial ideas? Can you find evidence from other sources that might explain what happened during yours? Include 2 more sources with in-text citations (Author, year) and references citations. WHAT DOES IT ALL MEAN FOR HUMANITY?	The results could be due to… The difference might be explained by… This experiment didn't show a difference because… This is important because… These results indicate that… Other research has shown that...
FUTURE IDEAS	Scientists always have new ideas (plus, they need to find a way to get funding for their next project!) What new questions do you have now? If your experiment didn't work, what would you try next time? What other factor could you add to your test? How could you improve your prototype with unlimited time and money?	In future experiments… The next step to improve this project would be… Based on what I discovered, I would like to examine...

How do I write a conclusion if I have no data????

Tell the reader what you accomplished, why you didn't finish, and what POSSIBLE results might mean.

My research question/ research goal is to see...

I was able to… but was not able to complete it because…

If I see [that plants grow faster using aquaponics], it might be because
If I see [that result] instead, it could mean that…

My plan to finish this project is to...

Writing Your Conclusion

Complete the table to take your research project to the next level.

Results	
The data shows…	
My results display…	
There is a clear trend…	
From the graph(s) you can see…	
My testing shows…	

The prototype demonstrates…	
Solution	
…proving that…	
…this links to…	
…showing that…	
…this validates…	
…providing evidence that…	

…justifying…	

Conclusion – Take the statements you have written, the sentence starters you have completed and write a 2-3 paragraphs that conclude your research project.

- What do your results show?
- Were there any unexpected results — why do you think they occurred?
- Can you relate your results to something else?
- Do your results mean you need to change something?

To create a good conclusion, you have your structure of results + solution, but you should reflect back on your work and look ahead to what you could do next.

If you could do the project again, would you go about it exactly the same way?

- What would I have done differently? To create a good conclusion, use the structure of results + solution. However, you should also reflect back on your work and look ahead to what you could do next.

Has this brought up any new ideas or insights?

- Is there something else you want to explore? Did the results also give a new and interesting understanding? Has feedback from peers provided new insights?

What are my next steps?

- What are you going to do next? Prioritizing steps is a good way to make sure they happen!

Reflection & feedback

Reflect on your project and your friend’s project.
What works well? What could be even better? Consider:

- How clearly is the idea explained? Can you understand it?
- Is the question/hypothesis sensible? Can it be tested in an experiment?
- Can you understand the method?
- How could it be presented?

My project title	My friend’s project title
What works well?	**What works well?**
Even better if?	**Even better if?**