



Conclusions

Your conclusions summarize how your results support or contradict your original hypothesis:

- Summarize your results in a few sentences and use this summary to support your conclusion. Include key facts from your background research to help explain your results as needed.
- State whether you proved or disproved your hypothesis. (Engineering & programming projects should state whether they met their design criteria.)
- If appropriate, state the relationship between the independent and dependent variable.
- Summarize and evaluate your experimental procedure, making comments about its success and effectiveness.
- Suggest changes in the procedure (or design) and/or possibilities for further study.

If the results of your experiment did not support your hypothesis, don't change or manipulate your results to fit your original hypothesis, simply explain why things did not go as expected. If you think you need additional experimentation, describe what you think should happen next. Scientific research is an ongoing process, and by discovering that your hypothesis is not true, you have already made huge advances in your learning that will lead you to ask more questions that lead to new experiments. Science fair judges do not care about whether you prove or disprove your hypothesis; they care how much you learned.

Your Assignment

Type a summary of your results and conclusions in a word processor.

Grading Yourself

What Makes for Good Conclusions?	For Good Conclusions, You Should Answer "Yes" to Every Question
Do you summarize your results and use it to support the findings?	Yes / No
Do your conclusions state that you proved or disproved your hypothesis? (Engineering & programming projects should state whether they met their design criteria.)	Yes / No
If appropriate, do you state the relationship between the independent and dependent variable?	Yes / No
Do you summarize and evaluate your experimental procedure, making comments about its success and effectiveness?	Yes / No
Do you suggest changes in the procedure and/or possibilities for further study?	Yes / No

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