

Lab Report Instructions

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Lab Format

- Title - Description of the lab
- Purpose - Why?
- Procedure - How?
- Results - What did you find?
- Conclusion -What does it mean?
- Discussion - Apply to "real life"

Purpose

(AKA Introduction)

- What is the objective or goal of the lab?
- How does it relate to what you are doing in class? What background information is there about the topic of the lab?
- What are the variables?
 - Independent - what you modify/change
 - Dependant - what you measure/observe
 - Controlled - what you keep the same

Procedure

- How will you carry out the lab?
- What is your baseline / control?
 - The trial that you compare results to
 - Independent variable is limited or removed
- Outline format (like a recipe)
- Diagrams, Sketches, Pictures help to clarify the steps to be taken

Results

- "Just the facts, ma'am."
- Data, Observations, Factual information from the lab
- Graphs, tables, and charts should be found here.

Conclusions

- Revisit your purpose or objective and see if it was supported or not supported by your data.
 - Why or Why not?
- What do your results mean?
 - Back up with your data

Discussion

- Were your results accurate? Why do you think so?
- How might you improve the lab?
- How might you apply the information from this lab?
- What new questions do you have based on this lab?
