

Lab Report Template

Title

- A brief concise, yet descriptive title
- “The effect of... on...”

Introduction

- Statement of the problem
 - *What is the purpose of the lab or the question(s) are you trying to answer?*
 - *Possibly include why this problem is important.*
 - *“The purpose of this lab was to determine...”*
- Hypothesis
 - *Write a possible, testable answer or solution to the question or problem.*
 - *The hypothesis may be written in an “If... then...” format, or*
 - *It may also be written as a simple statement (“We hypothesized that...”)*
- Justification of Hypothesis
 - *Explain why you believe your hypothesis is true (as opposed to other possible solutions).*
 - *“We believe this hypothesis is correct because...”*

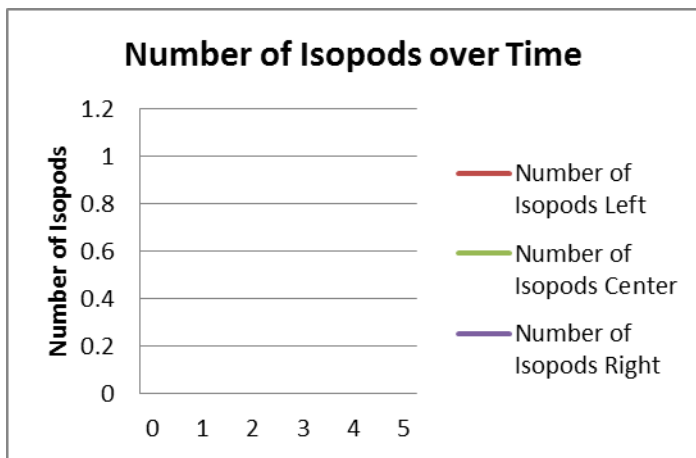
Experimental Design

- Write a paragraph identifying or describing the essential parts of the experiment, including the
 - *independent variable,*
 - *dependent variable,*
 - *control, and*
 - *constants*
- “To test our hypothesis, we conducted an experiment in which the independent variable was ... and the dependent variable was...”
- Write another paragraph describing how the experiment was conducted. Be as detailed as possible.
- “To perform the experiment, we first... Next, we... After that, we...”

Data

- Include a data table and graph showing your data. This may be handwritten or inserted electronically from a spreadsheet file.

Time (min)	Number of Isopods		
	Left	Center	Right
0			
0.5			
1			
1.5			
2			
2.5			
3			
3.5			
4			
4.5			
5			



Conclusion

- One sentence describing your claim. This should be a clear, confident answer to your original scientific question/problem.
- Summarize with relevant details from the data that makes you think your claim is correct.
- Explain why the data you described supports your claim. “These data support this claim because...”
- Reflect on whether this conclusion is expected (“This makes sense because...”) or is surprising (“We were surprised by these results because...”)

Format Guidelines – Turn in paper copy or email file to mwester@rvaschools.net and tuckerr3@mymail.vcu.edu

- Typed (preferred for easier revisions)
 - 11 or 12-point font, Times-New Roman or Arial font, double spaced, 1-inch margins
 - Section headings in bold; all other text normal (no italics)
 - May be emailed (see addresses above); does not have to be printed
 - **I will reply, confirming that I received your work, if you email it or share it electronically.**
- Handwritten
 - Write in blue or black ink; maintain neat margins; skip lines
 - Write section headings on their own lines