

Name

Date

Lab Conclusion  
Graphic Organizer

Instead of writing an entire lab report, this is an opportunity to continue working on our analysis of a lab, without the full lab write up. The objective is to ensure that each INDIVIDUAL student understands the lab process and why we did the lab. The format will be similar to what is in the "Statement of the Problem", the "Hypothesis" and the "Conclusion" sections of a lab report.

The Graphic Organizer will be filled out accordingly and the paragraphs will be typed, double spaced and 12 font. No paper will be accepted without a filled out graphic organizer. A rubric will be provided and be turned in as well.

I. Statement of the Problem:

a. What question is the lab answering?

Which is a better physical trait adaptation for or feathers? Which is the better shelter, sand or leaves?

b. Provide a piece of background information about the lab. What new terms does the reader need to be familiar with? Provide definitions.

An adaptation is... A coffee cup filled with hot water will represent an animal in the tundra.

II. Hypothesis

a. State your hypothesis in the "if...then..." format.

Change in temperature will be measured to determine the best insulator

use from lab packet

b. What is the reasoning behind your hypothesis? What prior knowledge do you have, that allowed you to create your hypothesis?

III. Conclusion

a. Restate your hypothesis.

b. Accept or reject your hypothesis.

The ~~1st~~ first hypothesis is \_\_\_\_\_  
The second hypothesis is \_\_\_\_\_

c. Provide data from your table, numbers, color changes, etc., whatever evidence supports your acceptance or rejection of your hypothesis.

When a coffee cup was filled with hot water, the change in temperature over 10 minutes was \_\_\_\_\_ °C.  
When feathers surrounded a coffee cup filled with... include rest of table

d. EXPLAIN why you got the results that you did. A clear explanation back to lab topic. Terms mentioned in Statement of the Problem should be re-mentioned, defined and related to the lab activity. This is the most important part of your whole essay.

Feathers was a better insulator compared to fur because it lost the least amount of heat WHY  
Leaves was a better insulator... -Why!

Feathers & leaves are better adaptations

e. Any errors or refinements?

because ...

Now, take this graphic organizer, type it up in COMPLETE SENTENCES and 3 separate paragraphs, one paragraph for each section. Done and done.