**LAB REPORT TEMPLATE**

Title:

* *A brief concise, yet descriptive title*

Statement of the Problem:

* *What question(s) are you trying to answer?*
* *Include any preliminary observations or background information about the subject*

Hypothesis

* *Write a possible solution for the problem*
* *Make sure this possible solution is a complete sentence*
* *Make sure the statement is testable*
* *The statement should reference the independent and dependent variables: such as “The plant group receiving (independent variable i.e. fertilizer) will (dependent variable i.e. produce more fruit) than the plants that did not receive (independent variable i.e. fertilizer)*

Materials:

* *Make a list of all items used in the lab*

Procedure:

* *Write a paragraph or a list which explains what you did in the lab.*
* *Your procedure should be written so than anyone else could repeat the experiment.*

Results:

* *This section should include any data tables, observations, or additional notes you make during the lab.*
* *Although some students may wish to recopy original data: it is important to always preserve the orginal*
* *You may attach a separate sheet(s) if necessary.*
* *All tables, graphs and charts should be labeled appropriately.*

Conclusions:

* *Accept or reject your hypothesis*
* *EXPLAIN why you accepted or rejected your hypothesis using data from the lab.*
* *Include a summary of the data – averages, highest, lowest, etc. to help the reader understand your results.*
* *List one thing you learned and describe how it applies to a real-life situation.*
* *discuss possible errors that could have occurred in the collection of data (experimental errors)*

**MIDDLE SCHOOL LAB REPORT FORM**

(Name) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Date) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title:

Purpose/Problem

Hypothesis:

Materials/Supplies:

Procedure:

Observations and Data:

Conclusion/Summary:

**Conclusion Do’s and Don’ts**

* **Do** draw an illustration or a graph, if appropriate.
* **Don’t** list the data again, but summarize, discuss, and analyzethe data.
* **Do** explain why your hypothesis was correct or incorrect fromyour observations or data.
* **Don’t** give the procedure again, but **do** point out possiblesources of error.
* **Don’t** forget to break up your ideas with more than oneparagraph. Your conclusion is an essay.

**Helpful format for writing a conclusion (length of blank lines does NOT indicate the length of your entries – additional sentences are encouraged)**

This lab (experiment) investigated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. In order to study the problem we \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. My results showed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, thus proving my hypothesis was (correct/incorrect).

I believe the results are (accurate/inaccurate) because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

In order to further investigate this problem, next time I would \_\_\_\_\_\_\_\_\_\_.

*The above was adapted from Cheryl Randall’s Science Lab Report found at http:*

*donnayoung.org/apologia/lab/labhow~cr.htm*

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**MIDDLE SCHOOL LAB REPORT RUBRIC**

|  |  |  |
| --- | --- | --- |
| **LAB REPORT ITEMS** | Points | Points |
|  |  | Received |
| **PROBLEM** | 5 |  |
|  |  |  |
| **HYPOTHESIS** | 5 |  |
| **(**Independent & dependent variables included) |  |  |
| **MATERIALS & PROCEDURE** | 10 |  |
| (All steps clearly stated) |  |  |
| **OBSERVATIONS AND DATA** | 10 |  |
| (Measurement units identified) |  |  |
| **GRAPHS AND/OR ILLUSTRATION** | 10 |  |
| (Title, axes labeled, data points plotted) |  |  |
| **CONCLUSION** | 5 |  |
| (Answers the problem, explains results) |  |  |
| **NEATNESS** | 5 |  |
|  |  |  |
| **TOTAL GRADE** | 50 |  |
|  |  |  |