# Science Lab Write Up

**<u>Title</u>**
**(underlined and centered)**

**Introduction:** Give all background information that will be used as a foundation of your understanding of the ideas you will use to interpret your data (background). Give a brief explanation of what the experiment is designed to test.

**Purpose –** a statement of what you want to observe or measure. (one or two sentences ONLY!!)

**Hypothesis –** an educated guess with an explanation as to the outcome of the experiment (one or two sentences ONLY!!) IF…. THEN….BECAUSE statement.

**Control -** The part of the experiment that you are keeping the same (not changing)

**Independent Variable -** It is what is being tested to determine its affect.

**Dependent Variable:** The part of the experiment that you do not have control over, it is what you are measuring in the experiment.

**Materials –** a BULLETED list of all items used in the experiment
(the bullets should be aligned in a column along the left of the page)

**Procedure –** a NUMBERED list of the steps in the experiment, so that anyone could repeat the experiment. (the numbers should be aligned in a column along the left of the page)

**Data –** a section to record any information gathered in the
experiment (includes data tables, charts, pictures and graphs) *****USE A RULER!!!!!!!!!!!!**

**Results and Analysis** – paragraph(s) RESTATING your observations (be sure to use *numbers* AND *units* from data you collected!!) AND Paragraph(s) stating in words WHY you think your observations turned out as they did**.**

**Conclusion –**

- Summarize lab
- ONE sentence about whether your hypothesis was or was not correct and why or why not.
- State something that you learned about biology from the experiment.
- Be sure to state at least one source of error – you're not a computer and not perfect so you can always improve!!
- State what you would do differently.
- What would you do next?

**3 of Your Questions –**Questions that you came up with while doing
the experiment. Don't answer them, just write them!!
(This is good practice for coming up with questions for new experiments as scientists continually do! ☺)

**Title:**_____

**Intoduction:**_____

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**Purpose:**_____

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**Hypothesis:**_____

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**Control:**_____

**Independent Variable:**_____

**Dependent Variable:** _____

**Materials:**

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**Procedure:** _____

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**Data:**

**Analysis:**

**Conclusion**:

**3 Questions**:

1.

2.

3.