

Click here to enter title

# SCIENCE FAIR PROJECT

Click here to enter date.

By

Click here to enter your name.

REVIEW OF LITERATURE:

Click here to enter 8 paragraphs or more that states all of the facts that you collected while researching your problem. Be sure to spell and grammar check your paragraphs!

## PURPOSE/PROBLEM:

Click here to state your PROBLEM. Explain why you are interested in solving it.

## HYPOTHESIS:

Click here to state your hypothesis. Also explain why you expect this outcome by using TWO facts from your research paper that support the hypothesis.

## MANIPULATED OR INDEPENDENT VARIABLE:

Click here to explain what your manipulated variable is and HOW it is being changed. You should also state HOW it is being measured and WHAT units are being used.

## RESPONDING OR DEPENDENT VARIABLE:

Click here to explain what the dependent variable will be. You should also explain WHY you expect it to change. You also must STATE HOW it will be measured and WHAT UNITS will be used.

## CONSTANTS:

Click here to LIST and DESCRIBE everything that you will be doing during your experiment that will STAY THE SAME. Think about things such as time of day, temperature, amount of light or dark, amount of heat, etc. as you write this section

## CONTROL:

Click here to explain what control group you will compare your results to.

## **MATERIALS LIST:**

Click here to list EVERY piece of equipment or material you will use to complete your experiment. If it is NOT listed here, you SHOULD NOT use it in your experiment. If you use any specialized equipment such as incubators, electronic balances, electrophoresis chambers, etc. you must explain how or where you got it.

## **PROCEDURE STEPS:**

Click here to enter your NUMBERED STEPS for your experiment. MAKE SURE YOU DO NOT LEAVE OUT ANY STEP

**RESULTS:**

## DATA TABLE

You should collect all your data in your log book. This is where you type or use EXCEL or WORD to create a nice neat table of your data. BE SURE TO LABEL THE TABLE HEADINGS.

*(Remove these directions and draw or insert your TABLE)*

## GRAPHS:

Use Excel or a program ([Create a Graph](#)) like it to make your data table into a graph. If you don't have Excel, you may hand draw your graphs. Your manipulated variable should be the X axis and your responding variable should be the Y axis. BE SURE TO LABEL THE AXES AND TO INCLUDE YOUR UNITS OF MEASUREMENT.

(Remove these directions and draw or insert your GRAPH)

## ANALYSIS OF RESULTS:



Click here to include a brief description of what your data tells you about your hypothesis. Was the data acceptable, or were some of the results unexpected. Explain why you think you had some unexpected results..

## **CONCLUSION:**

1. Click here to type 3 paragraphs. **FIRST** - Restate the hypothesis and explain by giving **SUPPORTING DATA** if your hypothesis was or was not supported. **INFER** why the data turned out as it did. **SECOND** - Explain any issues or problems you had while carrying out the experiment. Include any ideas for improving the experiment if you were to it again. **THIRD** - State what you learned from doing the project. Include any observations you made, any new information you learned, etc. Also explain how what you learned can be used in real life.

## **Bibliography:**

Use the Media Center's [MLA format page](#) to write your bibliography of 3 sources you used to create the Review of Literature section of this paper.

*(Remove these directions)*