**Title**

Name

*School Name*

*Grade*

Copy and Paste abstract here-- See Abstract Template for help writing.

Copy and paste background research from Research Plan here

**Materials & Methods**

Write Methods in paragraph form. Use the Experimental Design from your Research Plan for guidance but be sure to describe what you actually did-- not what you planned to do. Be specific so that anyone could repeat your experiment.

Incorporate materials into your methods. Identify the (manufacturer, city, state) of specific materials-- see example below.

* E.g. Cortisol levels were measured in saliva samples using a Cortisol EIA (Salimetrics, State College, PA)

**Results**

Insert graphs, charts, and other final data here. Each figure should be explained in paragraph form and have a figure legend

Present key results without interpretation

* collect and analyze data
  + Use metric measurements when possible
  + do statistics, if possible
* create tables and graphs
  + Label graph axes and table columns correctly
* write 1+ paragraph describing each figure (write so that the reader would know the results of your experiment without looking at the figures)
* If you were explaining the results to someone, think about the important trends or relationships you would point out.
* Use transitions and be **specific** when comparing treatments
  + e.g. To determine what effect X had on Y, we (did this). Compared to control, (the treatment) reduced Y by 45%.

**Discussion / Conclusions**

Interpret your results in context to what is already known (previous research)

* the discussion connects your results with the introduction and hypothesis
* possible topics in Discussion (these are not necessarily separate sections)
  + comparison of actual results with expected results
  + analysis of why you think results supported/did not support your hypothesis
  + analysis of experimental error and offer improvements
  + offer what new questions resulted from the project, and what future studies may be needed to address those
  + conclusions (this is the take-home message)
* A common way to start the Discussion is “My findings suggest…”; “This study demonstrates…”; “These results suggest…”; etc.

**Additional Resources:**

<http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWsections.html#results>

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3178846/>

**Acknowledgements**

Acknowledge or thank people or organizations that helped you with your project

**References**

List your references in alphabetical order using APA-formatting (double space in between references; hanging indent, etc.) <https://owl.english.purdue.edu/owl/resource/560/05/>