



<p><u>Dependent Variable</u>- the factor that's being observed (what you're measuring) Example: <b>Water flow rate</b></p> <p><u>Controlled Variables</u>- elements which are constant and unchanged Example: <b>amount of water, type of substrate, etc..</b></p>	<p>Controlled Variables: time of day,</p>										
<p><b>Data Table</b> This is an organized table that contains the data from your experiment. It should identify your control group, experimental group, and the data you collected. Make sure it has a title that clearly states what the information in the data table is about.</p> <p><b>Can be done on paper.</b></p>	<p>Data Table:</p> <table border="1" data-bbox="691 621 1425 949"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>										
<p><b>Graph</b> This is a visual representation of your data. Make sure you follow all of the graphing rules we have gone over in class. Label your axes, use an appropriate number scale, space your numbers properly, give it a title, make a key, and make sure your points are plotted correctly.</p> <p><b>Make sure you do 1-2 rough drafts of your graph on paper.</b></p> <p><b>Can be done on paper or google sheets and pasted here →</b></p>											
<p><b>Conclusion</b> This is a summary describing to the reader what you were investigating, what data you collected, if your data supports or refutes your hypothesis,</p>											

and explains what you learned from the experiment. <i>Check below for an outline/example.</i>	
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**Conclusion Outline:**

1. Introductory Paragraph: This paragraph should state what you were studying in the experiment.
  - a. Example: In this experiment we tested to see if the abundance of trees would improve human health by reducing the number of stress. The sense of well being...
2. Body Paragraph: These sentences should include specific data from your experiment and if the data supported or refuted your hypothesis. Remember the reader will need to be reminded of what your hypothesis is before you explain if it is supported or refuted.
  - a. Example: We tested 3 separate and different areas. One had 5 trees and the other had none...This supported our hypothesis because...
3. Conclusion Paragraph: These sentences should state what you learned from this experiment and maybe even next steps.
  - a. In conclusion, having trees in the city has a cooling effect ... A future experiment might test...