

8. **Data and Observations**

This is where you will directly report the raw data, converted data with a single sample calculation shown where appropriate, along with any observations you made during the experiment which may have impacted the quality of the results. Place observations in a table format as close as feasible to the data that they describe. Include photographs of the experiment in progress (either before and after pictures OR pictures of the experiment in chronological order, whichever is appropriate). You should show any formula used to calculate values shown in your data table with all variables defined. Show any preliminary calculations needed before data analysis in an Appendix. (See Appendix C of Research Manual for sample calculation format) This section does not interpret, compare, or contrast the data. It does not have conclusions.

9. **Data Analysis and Interpretation**

Use this section to calculate and report any statistical analysis you have performed with your data. This is where graphs, modeling, curve fittings, and/or statistical tests appear. Include a sample of all calculations for determining a derived value used in an appendix. See specific requirements for this section in Appendix A of Research Manual.