**Introduction: (1 to 2 pages)**

* -  Should be 2-4 paragraphs stating the background information, overall justification for the solvent being investigated, and the objective and hypotheses
* -  First paragraph should present the overall summary; a thesis statement should be the last sentence in the paragraph.
* -  Final introduction paragraph should state the objective, overall approach and the hypotheses.
* **Methods: (1 to 2 pages)**
* -  In chronological order, what was done?
* -  Essentials: time of experiment, volumes, solvents, treatments, model organism, quantification, any other items  the reader needs to know
* -  Do not list materials.
* **Results: (2 pages)**

- Two figures that must contain units in the axes along with the figure captions:

 o Figure 1. Relative color of solution versus concentration of (your solvent).

 o Figure 2. Absorbance (460 nm) of solution versus concentration of (your solvent).

* -  Raw data: describe results, both qualitative and quantitative.
* -  What are the trends? How do the means compare? 50% greater? 25% less compared to?
* -  Avoid explaining what the data mean, making conclusions, or identifying sources of error. (That goes in the  Conclusion)
* **Conclusion: (1-2 pages)**
* -Does the data support your hypothesis?
* -What does your experiment indicate?
* - Any big picture ideas? What are the implications? Qualitative versus quantitative data?
* -How does this compare to other studies, if possible?
* - How would you have done this differently? Any sources of error? Be specific.