**Final Lab Report**

**Title (What is your report about?)**

* Your title should give the reader some indication about what the rest of the lab report is about

**Abstract (What is your claim?)**

* This is your claim
* Write 1-3 sentences stating what you have learned or concluded about making and using biodiesel

**Background (Why do we care?)**

* Your background information may be based on outside research or playlists and projects from chemistry
* Write one paragraph which explains what we already knew and describes why we are interested in biodiesel
* Include citations for any information that did not come from class

**Procedure and Data (What did you do?)**

* Write one or more paragraphs which describe what you did in the lab in paragraph form (tell the story of the experiment)
* You shouldn’t write details about every little step, instead summarize the big idea of the experiment
* Include the reasons why you did key steps or experiments
* Assume your audience is one of your classmates
* In a table, list or graphs include any numbers or observations you recorded in lab.
* Include and describe any calculations you made after the lab.

**Conclusion (How does your data support your claim?)**

* Write one or more paragraphs which
  + Restate your conclusion (your claim)
  + Describe the evidence in support of your claim
  + Explain the reasoning of why your evidence supports your claim including the chemical processes involved in creating biodiesel.
  + Include a particle diagram to illustrate the chemical processes involved in creating biodiesel.
* Write one paragraph which discuss sources of error
  + What error is in the design of the experiment? *And* what human errors did you or your research group make.
  + Calculate a % error.
* Write one paragraph which discusses new questions, your new hypothesis, or describes experiments you would want do next