Photosynthesis Lab Report Write up Requirements 2020-21

Overview: Determine how some environmental condition affects the rate of photosynthesis for a plant of your choosing. You will have two weeks to grow your plants in class. The lab report will be due 2 weeks after clean up. I will be able to provide materials, but you will need to bring in any other supplies your group may need.

1. **Introduction** 
   1. **Research Question** – be sure we can discern your Independent and Dependent Variable
   2. **Background**- Gather information that is relevant to the design of your experiment. This should include background on your species of plant, and any scientific principles that relate to your independent variable (ie: light as a wave)
   3. **Considerations**- what safety, ethical and environmental considerations shaped the writing of your methods.
   4. **Controlled Variables Table** – what variables did you purposefully control for to ensure they did not affect your data. Be sure to include what you controlled, how you controlled it, and WHY you controlled it. If your “Why” sections are interchangeable you need to be more specific. For example do not simply say “we kept this the same to ensure our data was accurate”
   5. **Procedures** – Clearly define your Independent and Dependent Variables. Then give a detailed account of how you carried out your lab. You must include some form of lab set-up diagram
   6. **Personal Engagement –** Describe how and why the conclusions drawn from your lab can be useful. Be sure to describe who this information will be useful for and who they might use it. Double check the description for this section (parts of IA notes) before writing this section