**NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SECTION \_\_\_\_\_\_\_\_\_\_**

**Independent Project – Carnivorous Plant Biology**

**PROPOSAL [10pts]**

|  |
| --- |
| **Question [1pt]:** |
| **Hypothesis [1pt]:** |
| **Background information, with sources (citations) [3pts]:** *Find several pieces of information from at least two reliable sources for each underlined topic below. Use APA format for each citation. Put three or more bullet points under each citation. Everything should be paraphrased/in your own words –* ***NO QUOTES****! This research will be the basis for the introduction section of your final report.* **Research on the plant type, including ideal growing conditions:**Citation 1: Citation 2:**Research on the experimental variable (EV) as it relates to plant growth:**Citation 1: Citation 2:**Research on other similar studies that have been done:**Citation 1: Citation 2: |

**EXPERIMENTAL DESIGN:**

|  |  |
| --- | --- |
| **Experimental Variable (EV) [0.5pts]***What will you manipulate or change?*  | **EV:** **This should be the one thing that is different between your CG and EGs.:**  |
| **Control Group (CG) [1pt]***This is the “normal” or “untreated” group. Plan to have 4 replicates in your CG.* | **CG: Briefly describe how you will treat them (what will distinguish them from the other groups):** |
| **Experimental Groups (EG) [2pts]***These are the “treated” groups. Plan to have 4 replicates in each EG.* | **EG1: Briefly describe how you will treat them (what will distinguish them from the other groups):****EG2: Briefly describe how you will treat them (what will distinguish them from the other groups):** |
| **Dependent Variables***What will you measure or monitor? How often will you take measurements?*  | **DVs required for each group in your experiment:**  |
| **Controlled Variables [1.5pts]***Identify at least 3 conditions that you will you keep constant for ALL of the groups in your experiment (CG and EGs)*  | **CV1:****CV2:****CV3:** |