**Field Study Rough Draft Grading Rubric Graded By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Check-off Grading:**

Read the attribute name and description. Then read the lab. If the attribute is **present** **and correct** in the lab, put a check in the empty box in the right hand most column

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | | **Description** | **Present?**  **Y/N** |
| **Final Draft Quality Attributes** | **Headings** | Proper titles on the lab, data tables and graphs |  |
| **Ink and Legible** | Typed or written in standard blue or black ink legible enough to be understood easily |  |
| **Neatness** | All lines are drawn with a straight edge |  |
| **Pre-lab Attributes** | **Investigative Question** | Askes the question from the original lab |  |
|  | **Hypothesis** | If…then…because format |  |
| MV and RV are included correctly |  |
|  | **Variables** | Manipulated Variable correctly identified |  |
| Responding Variable correctly identified |  |
| Control Variable correctly identified—at least 2 |  |
|  | **Groups** | Both experimental and control groups correctly identified, |  |
| **Data Collection Attributes** | **Quantitative** | Data should be recorded neatly in appropriate placement |  |
| **Qualitative** | Quantitative data is recorded on all locations |  |
| **Graph Attributes** | **Data** | Graph is a bar graph & includes 3 separate bars |  |
| **Set-Up** | Axis are labeled |  |
| **Analysis Attributes** | **Questions** | Analysis questions are all answered in complete sentences |  |
| **Calculations** | Population Density Calculations are present |  |
| **Depth and Development** | | Questions are answered |  |

Staple this check-off sheet to the **first page** of the lab. That way, the lab writer can add any pieces they are missing for their final draft

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**Lab-Writing Grading:**

Read the procedure and conclusion. Then read the rubric. If an attribute is present, give the student a point in the empty box in the right hand most column. Feel free to make comments on **how they can improve**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Procedure Attributes** | | | | |
| **Data collection Method/Controlled Variable** | | Describes how to collect data, or states a controlled variable. | **1** |  |
| **Independent/ manipulated Variable** | | Independent variable is mentioned in the procedure  **For this lab: % cover or % shade** | **1** |  |
| **Dependent/ responding Variable** | | Procedure states what data will be collected (the dependent variable)  **For this lab: # of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ plants** | **1** |  |
| **Record Measurements** | | Directly says to “record” the data | **1** |  |
| **Observations are Repeated** | | At least three trials at each condition are planned.  **For this lab, quadrat is placed 3 times in each location** | **1** |  |
| **Record Environmental Conditions** | | Includes recording at least one local environmental condition that might have an effect on the focus variables | **1** |  |
| **Logical Steps** | | The steps of the procedure are detailed enough to repeat the procedure. | **1** |  |
| **(Procedure Total)** | | | | **/7** |
| **Argumentation (Conclusion) Attributes** | | | | |
| **Claim**  *Conclusive statement* | | Correctly answers the experimental question (or correctly states whether the hypothesis/prediction was correct). | **1** |  |
| **Evidence** | *Highest data* | States the highest # of plants found, and what light level they were in | **1** |  |
|  | *Lowest data* | States the lowest # of plants found, and what light level they were in | **1** |  |
| **Reasoning** | *Linking* | Explains how the evidence supports the claim | **1** |  |
|  | *Scientific Explanation* | Provides a plausible (possible) scientific reason that explains the trend seen in the data. | **1** |  |
| **(Conclusion Total)** | | | | **/5** |

Staple this check-off sheet to the **last page** of the lab. That way, the lab writer can add any pieces they are missing to the conclusion or procedure, and fix them for the final draft