**Lab Report Rubric**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | (4 pts) | (3 pts) | (2 pts) | (1 pt) | (0) |
| Introduction  | 1. Includes the question to be answered by the lab2. states hypothesis that is based on research and/or sound reasoning3. title is relevant. 4. Hypothesis (prediction) is testable.  | One of the "excellent" conditions is not met  | Two of the "excellent" conditions is not met  | Three of the "excellent" conditions is not met  |  |
| Methods  |  |  | A description or step-by-step list of how the experiment was performed  | Description unclear, couldn't be repeated  |  |
| Results (data)  | Results and data are clearly recorded, organized so it is easy for the reader to see trends. All appropriate labels are included  | Results are clear and labeled, trends are not obvious,  | Resulsts are unclear, missing labels, trends are not obvious at all  | Results are present, though too disorganized or poorly recorded to make sense of  |  |
| Analysis  | The data and observations are analyzed accurately, trends are noted, enough data was taken to establish conclusion  | Analysis somewhat lacking in insight, enough data, though additional data would be more powerful  | Analysis lacking in insight, not enough data was gathered to establish trends, OR analysis does not follow data  | Analysis poor, not enough data, inaccurate analysis  |  |
| Conclusions  | 1. Summarizes the essential data used to draw conclusions 2. Conclusions follow data (not wild guesses or leaps of logic), 3. Discusses applications of experiment ("real world" connections)4. Hypothesis is rejected or accepted based on the data.  | One of the "excellent" conditions is not met  | Two of the "excellent" conditions is not met  | Three of the "excellent" conditions is not met  |  |
| Format  |  |  | Neat, organized with headings, few spelling/grammar errors  | Somewhat lacking in organization, multiple spelling/grammar errors, not neat  |  |
|   | TOTAL: \_\_\_\_\_\_\_ (Out of 20) |   |   |