|  |  |  |  |
| --- | --- | --- | --- |
| Self | Teacher |  | Points |
|  |  | Appearance/Organization* Lab Report is typed
* Lab report uses headings and subheadings to visually organize material
* cover page includes name, teachers name, date, title
 | 15 |
|  |  | Abstract (Written last)* The whole paper has been condensed into miniature form.
* There are approximately 5-10 sentences.
* There is no new information, no supporting material, & limited details.
 | 10 |
|  |  | Introduction* The primary topic/goal of the study is explained in clear, concise terms. .
* Material is translated into student's own words.
* Background information is pertinent to topic & improves reader understanding of the investigation & report.
 | 20 |
|  |  | Materials & Methods* Complete & detailed list of materials in 2 vertical columns.
* Methods are listed in clear steps that are easy to follow & reproducible by another person.
 | 10 |
|  |  | Observation Sheet* Observations are clear, accurate, and dated.
* Observation sheet is referenced in report.
 | 10 |
|  |  | Results(Answer the question "What did I find out?")* Organized and clear representation of data using tables & graphs with correct titles. (if needed)
* Correct units are used when necessary.
* Explain your actual findings. Link your writing to graphs & tables as you present your results.

(Save broad generalizations & conclusions for later) | 20 |
|  |  | Discussion* Describes what was learned from the experiment.
* Explains sources of error.
* Discusses variables and trends/patterns found in results.
* Predictions are made or an explanation of further studies are addressed.
* Explanation of how information applies to the real world.
 | 20 |
|  |  | Spelling/Grammar/Punctuation* There are 1 or fewer errors in punctuation & grammar in the report.
 | 5 |
|  |  | Questions* All questions found throughout the lab should be retyped and answered fully
* All answers are in a complete sentence
 | 10 |
|  |  | Recommendations* Write a letter of all the recommendations you would suggest to someone in order to improve the quality of their soil.
* Should be on a separate piece of paper the style of a business letter.
 | 20 |

Total= 140 points