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| --- | --- | --- | --- |
| 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