Name: Topic:

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| --- | --- | --- | --- | --- |
| Points | Exemplary (4) | Proficient (3) | Progressing (2) | Emerging (1) |
| *Abstract* |
|  | Succinct, accurate description of entire paper | Accurate description of entire paper | Most aspects of the paper are described, some errors or omissions | An attempt is made to describe the paper, but major ideas are missing |
| *Introduction* |
|  | Includes the specific question(s) to be answered as well as their relevance/ importance | Research question(s) are narrowly focused and completely and accurately stated | Research question is given but is too broad or not testable | Topic is mentioned, but no specific question |
|  | Accurately and clearly summarizes both the research method (including explanation of why it was chosen) and the conclusion of the experiment | Accurately and clearly summarizes both the research method and the conclusion of the experiment | Missing either a summary of the method or the conclusion | Does not clearly state the method used or the conclusion of the research |
| *Materials and Methods* |
|  | Entire procedure is described in sufficient detail so that another person could follow it; no extraneous information or unnecessary explanation | Entire procedure is described in sufficient detail so that another person could follow it | Procedure is missing some information, but is mostly complete | Attempt is made to describe procedure, but it is missing sufficient detail and is difficult to follow |
|  | Method section is written in third person past tense; has a logical flow and eloquent style | Method section is written in third person past tense | Third person and past tense are used frequently, but not consistently | Method section is not written in third person past tense and/or ineffectively communicates ideas |
| *Results* |
|  | Data described in text, each idea in its own paragraph; trends accurately identified; no conclusions drawn | Data patterns are accurately described in text, but no conclusions are drawn | Data are superficially described in text, no patterns identified | Description of results is incomplete, inaccurate, or missing |
|  | *Appropriate* data are presented in table form with proper labels and correct units | Data are presented in table form with proper labels and correct units | Incomplete data are presented in a table with correct units | Data table is missing a significant portion of data and/or lacks correct units |
|  | Tables and figures are numbered correctly and include descriptive titles | Tables and figures are numbered correctly and include titles | Minor errors in the numbering of tables and figures, or titles are missing | Tables and figures are not numbered correctly and lack titles |
| *Discussion* |
|  | Insightful analysis of results that includes the implications of work | Results are analyzed and interpreted in a logical manner | Analysis/interpretation of results is present but not complete | An attempt is made to analyze results |
|  | Questions from lab manual are answered completely in paragraph form; logical flow | Questions from lab manual are answered completely | Most questions from lab manual are answered correctly | Few questions from the lab manual are answered correctly |
| *Works Cited* |
|  | In-text citations are used consistently throughout the paper when information is gathered from an outside source | In-text citations are used most of the time information is gathered from an outside source | Some in-text citations are used, and/or there are minor formatting errors | In-text citations are absent or formatted incorrectly |
|  | All sources are listed in APA style on a works cited page (or section) at the end of the paper; sources are reliable and reflect multiple different sources | All sources are listed in APA style on a works cited page (or section) at the end of the paper | Some formatting errors on works cited page; sources appear to be mostly complete | Works cited page is missing a significant number of sources or contains incomplete or incorrectly formatted entries |

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