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| --- | --- | --- | --- | --- |
| **Title** | 0.0 | 0.25 | Total = \_\_\_\_\_\_\_ | |
| * Inaccurate or too general * None or incorrectly formatted name and institution | * Accurately describes experiment * Properly formatted name and institution |
| **Abstract** | 0.0 | 0.25 | 0.50 |  |
| * Misses the purpose of the experiment * No graphics * Major mistakes in spelling and grammar | * Misses some points of the experiment * No graphics * Minor mistakes in spelling and grammar | * Concisely describes the experiment * Uses a single, simple graphic * Has excellent spelling and grammar |
| **Introduction** | 0.0 | 0.25-0.50 | 0.5-0.75 | 1.0 |
| * Provides no background * Lacks an overall narrative * Has no statement of purpose * Is generally incoherent or lacking proper comprehension | * Describes some background of the experiment. * Lacks an overall narrative * Clear statement of purpose * Has major spelling and grammar errors | * Describes the science behind the experiment. * Lacks an overall narrative * Has a statement of purpose * Has minor spelling and grammar errors | * Describes the discovery, history, and relevance of the experiment. * Provides a narrative as to what is being investigated * Clear statement of purpose * Has excellent spelling and grammar |
| **Results & Discussion** | 0.0-0.75 | 1.0-2.0 | 2.25-3.25 | 3.5-4.0 |
| * No data * No description of the chemistry * No explanation of results * No structures or schemes * Is generally incoherent or lacking proper comprehension | * Data is present but not tabulated * Somewhat describes the chemistry of the experiment * No interpretation of results * No structures or schemes * Has major mistakes in spelling and grammar | * Data is present but not tabulated * Describes the experiment on a molecular level * Somewhat explains data * Makes use of structures and reaction schemes * Has minor mistakes in spelling and grammar | * Data is tabulated and easy to understand * Describes the experiment on a molecular level * Explains the results * Makes use of structures and reaction schemes * Has excellent spelling and grammar |
| **Conclusion** | 0.0 | 0.25 | 0.50 | 0.75 |
| * Does not summarize the experiment * Provides new information * Is generally incoherent or lacking proper comprehension | * Summarizes either the experiment or conclusions * Provides new information * Has major mistakes in spelling and grammar | * Summarizes either the experiment or conclusions * Restates either the purpose or what was discovered * Has minor mistakes in spelling and grammar | * Summarizes the experiment and conclusions * Restates the purpose and what was discovered * Provides no new information * Has excellent spelling and grammar |
| **Experimental** | 0.0 | 0.25-0.50 | 0.5-7.5 | 1.0 |
| * Is not easily understood * Lacks proper formatting. * Inaccurate description of procedure * Lacks observational data * Insufficient information on the procedure | * Has major mistakes in formatting * Has minor errors in the procedure * Includes noteworthy observations * Lacks some of the description of the product | * Has minor mistakes in formatting * Correctly describes the procedure * Includes noteworthy observations of the reaction * Lacks some of the description of the product | * Proper formatting including tense, IUPAC name, & units. * Correctly and concisely describes procedure * Includes noteworthy observations of the reaction * Proper description of the product including mass, appearance, and % yield |
| **References** | 0.0 | 0.25 | 0.50 |  |
| * No references, or inappropriate sources * Does not follow ACS style guide * References are not cited in text where appropriate | * Has references, but none from scientific journals * References have minor mistakes in formatting * References are not cited in text where appropriate | * Has at least 2 references from scientific journals * References are properly formatted * References are properly cited in text |