|  |  |  |  |
| --- | --- | --- | --- |
| **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
 |