|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Excellent (4 pts) | Good (3 pts) | Adequate (2 pts) | Needs Work (1 pt) | Not attempted (0) |
| **Abstract** | 1. Purpose  2. Key result(s)  3. Most significant point of discussion  4. Major conclusion | One of the "excellent" conditions is not met | Two of the "excellent" conditions not met | Abstract present, no exemplary conditions met | C:\Program Files\Microsoft Office\MEDIA\CAGCAT10\j0305257.wmf |
| **Introduction** | 1. Purpose of the experiment  2. Important background and/or theory  3. Hypothesis (if needed) | One of the "excellent" conditions is not met, background information is not thorough | Purpose is unclear, Background information is minimal | Introduction present, no exemplary conditions met |  |
| **Materials (2)** | All materials listed | Missing one item | Missing two items | Missing more than two items |  |
| **Experimental Procedure** | Description or step-by-step process is included, could be repeated by another scientist, written in third person. | Description included, some steps are vague or unclear | The description gives generalities, enough for reader to understand how the experiment was conducted | Would be difficult to repeat, reader must guess at how the data was gathered or experiment conducted | C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\OLF8MFDY\MC900334070[1].wmf |
| **Results (8)** | 1. Number and Title tables and graphs  2. Graph is appropriately labelled, drawn  3. Provide sample calculation only  4. State key result in sentence form  5. Neat and Tidy | Results are clear and labeled, trends are not obvious or there are minor errors in organization | Results are unclear, missing labels, trends are not obvious, disorganized, there is enough data to show the experiment was conducted | Results are disorganized or poorly recorded, do not make sense ; not enough data was taken to justify results | C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\MI19DVFW\MC900250762[1].wmf |
| **Discussion (8)** | 1. Support or rejection of hypothesis  2. Appropriate interpretation of data  3. Analyze experimental error.  4. Explain your results in terms of theory. | One of the "excellent" conditions is not met, two conditions met | Two of the "excellent" conditions is not met , one is met | Discussion present, no exemplary conditions met | C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\30VV3BT3\MC900186164[1].wmf |
| **Conclusions** | 1.State what's known  2. Justify statement | "excellent" conditions are met but could be more detailed | 1 or the 2excellent conditions met | The one excellent condition met is vague |  |
| **References (2)** | Present/ Proper format  Represent a good variation of sources | Present/ Proper Format  Resources are limited (ie. Wikipedia) | Present/ improper Format / Resources show variety | Present/ improper format/ one resource/limited variety |  |
| **Format and Lab Protocols** | Lab report submitted as directed, and on time. Directions were followed, stations were cleaned. All safety protocols followed. Reads well; few grammatical errors; no misinformation. | Most of the excellent conditions were met; possible minor errors in format or procedures | Some of the excellent conditions met, directions were not explicitly followed, lab stations may have been left unclean or group not practicing good safety (such as not wearing goggles) | Student did not follow directions, practiced unsafe procedures, goofed around in the lab, left a mess or equipment lost | flask |
| **Comments** | Total /40 | | | | C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\U08PSMOO\MM900356710[1].gif |