## Rubric - Flame Test as Evidence of Energy Levels

Lab Report Total Points = 24

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 4 | 3 | 2 | 1 |
| **Report Organization and** | Exactly as required for major lab reports. | Mostly as required for major lab reports | Somewhat organized as required | Not organized as required |
| **Organization of Information** | Methodically organizes and categorizes relevant information and data which supports the solution. | Organizes and categorizes relevant information and data which supports the solution. | Organizes and categorizes relevant information and data with teacher support. | Rarely organizes and categorizes relevant information and data even with teacher support. |
| **Problem Solving** | All calculations and conclusions are correct and well-defended. | Most calculations and conclusions are correct and well-defended | Some calculations and conclusions are incorrect. | Most calculations and conclusions are not correct. |
| **Articulation, justification and Conclusions** | Convincingly articulates and justifies the solutions or conclusions with relevant evidence. | Convincingly articulates and justifies a solution or conclusion with relevant evidence. | Articulates and justifies a solution/conclusion with relevant evidence with teacher support. | Rarely articulates a solution/conclusion with relevant evidence even with teacher support. |
| **Information from Sources** | Independently locates, gathers and organizes information from the most valid, reliable, and unbiased sources. | Independently locates, gathers and organizes information from a variety of sources. | Can locate, gather and organize information from a variety of sources with teacher support. | Cannot locate, gather and organize information from a variety of sources even with teacher support. |
| **Sentence Fluency** | Has few or no errors in spelling, grammar, punctuation or presentation that do not interfere with communication. | Has some errors in spelling, grammar, punctuation or presentation that do not interfere with communication. | Has many errors in spelling, grammar, punctuation or presentation that somewhat interfere with communication. | Has serious errors in spelling, grammar, punctuation or presentation that interfere with communication. |