**Lab Report: Slime as a Variable**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CATEGORY** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Question/Purpose** | The purpose of the lab or the question to be answered during the lab is erroneous or irrelevant. | The purpose of the lab or the question to be answered during the lab is partially identified and is stated in a somewhat unclear manner. | The purpose of the lab or the question to be answered during the lab is identified but is stated in a somewhat unclear manner. | The purpose of the lab or the question to be answered during the lab is clearly identified and stated. |
| **Experimental Design** | Experimental design does not address the hypothesis. Procedural steps are missing. | Experimental design provides a relevant test of the hypothesis. Procedural steps are included but not specific. | Experimental design is relevant to the hypothesis. All procedural steps are clearly outlined and specific. | Experimental design is relevant to the hypothesis. Procedural steps are clearly outlined and specific. Steps for measurement are included. |
| **Participation** | Frequent direction was required to keep student on task. No effort was made to follow experimental design as outlined. | Student was focused on the experiment most of the time. Direction was necessary for student to follow his/her experimental design as outlined. | Student was focussed on the experiment and followed his/her experimental design as outlined. Some attention was paid to measurement process. | Student used lab time well and meticulously followed his/her experimental design. Careful and consistent attention was paid to measurement and observations made during the process. |
| **Experimental Hypothesis** | No hypothesis has been stated. Direct assistance required to help student define hypothesis. | Hypothesized relationship between the variable change and the predicted result has been stated but reasoning is unclear. Predicted outcome is not a reasonable based on student's previous experience with materials involved. | Hypothesized relationship between the variables and the predicted results has been unclearly stated but is reasonable based on prior experience with materials involved. | Hypothesized relationship between the variables and the predicted results is clear and reasonable based on what has been studied. |
| **Conclusion** | No conclusion was included in the report OR shows little effort and reflection. | Conclusion includes what was learned from the experiment. | Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment. | Conclusion includes whether the findings supported the hypothesis, possible sources of error and what was learned from the experiment. |

Date Created: **June 23, 2012**