**Lab Report: Slime as a Variable**

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| **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.  |

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