Challenge Write-Up Rubric

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| **I can statement** | **0**  **No evidence of learning** | **1**  **Beginning** | **2**  **Progressing** | **3**  **Proficient** | **4**  **Advanced** |
| I can write a valid scientific hypothesis that answers a scientific question. |  |  |  |  |  |
| I can identify the parts of an experiment accurately in my own lab write-up:  *constants, variable, experimental group, control group, independent variable, dependent variable* |  |  |  |  |  |
| I can design a scientific experiment in a way that makes perfect sense to anyone else who might do my experiment. |  |  |  |  |  |
| I can organize data gathered during my experiment into data tables and graphs. |  |  |  |  |  |
| I can identify anything I did in my experiment that could have made my data less than accurate. |  |  |  |  |  |
| I can analyze and explain my data in terms of science concepts that were researched during the challenge. |  |  |  |  |  |
| I can use accurate mathematics to help explain and back up the scientific explanation of my data. |  |  |  |  |  |
| I can make valid and insightful connections between the math and the science concepts used to explain my data. |  |  |  |  |  |
| ***Comments:*** | | | | | |