**Rubric for Assessment**

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|  | 1 | 2 | 3 |
| Able to recognize which is the independent and dependent variables | Able to understand what independent and dependent variable means | Able to identify the independent variables in the experiment correctly | Able to identify the independent and dependent variables in the experiment correctly |
| Able to set directional hypothesis for transparency with proper reasoning | Able to understand the concept of how transparency is measured in the experiment through the amount of light blocked by the candy | Able to see how as the % glucose increases, the transparency of the candy should increase | Able to see how as the % glucose increases, the amount of light blocked by the candy should decrease |
| Able to set directional hypothesis for hygroscopicity | Able to understand the term hygroscopicity | Able to understand glucose is more hygroscopic than sucrose | Able to postulate that if the % glucose increases the hygroscopicity increases |
| Able to reflect on their data points | Able to identify sources of error in their data points | Able to reason scientifically the trend regarding transparency and hygroscopicity with respect with % glucose | Able to identify the graphs that match the scientific reasoning. |
| Able to make a recommendation to CA students with supporting evidence | Able to make a recommendations to CA students | Able to make a recommendation about the % glucose making use of the experimental data/trends from the experiment | Able to make a recommendation about the % glucose making use of the experimental data/trends from the experiment and also describe the procedure of spraying both sides of the candy with silicone spray with explanation |