**Lab Notebook Rubric**

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|  | 0 | 1 | 2 | 4 |
| **Purpose*** Lists the original question/problem
 | * Missing all information
 | * States the problem or question
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| **Procedure*** Step by step description of lab
 | * Missing all information
 | * Includes step by step description of lab
 |  |  |
| **Data / Observations*** Tables or graphs
* Description of what is happening
* calculations
 | * Missing all information
 | * Includes at least one observation but is lacking all other necessary information
 | * Includes multiple observations
* Lacking data table, graph or calculations
 | * Includes multiple observations
* Includes data table (if data is collected)
* Includes graph(s) (if data is able to be graphed)
* Calculations are shown in full
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| **Claim*** A statement or conclusion that answers the original question/problem
 | * Missing all information, or makes an inaccurate claim.
 |  | * Makes an accurate but incomplete claim.
 | * Makes an accurate and complete claim.
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| **Evidence*** Scientific data that supports the claim
* The data needs to be appropriate and sufficient to support the claim
 | * Missing all information, or only provides inappropriate evidence (Evidence that does not support claim).
 |  | * Provides appropriate, but insufficient evidence to support claim. May include some inappropriate evidence.
 | * Provides appropriate and sufficient evidence to support claim.
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| **Reasoning*** Justification connecting evidence to the claim
* Uses appropriate scientific principles for data analysis
 | * Missing all information, or only provides inappropriate reasoning.
 |  | * Provides reasoning that connects the evidence to the claim. May include some scientific principles or justifications for why the evidence supports the claim, but not sufficient.
 | * Provides reasoning that connects the evidence to the claim. Includes appropriate and sufficient scientific principles to explain why the evidence supports the claim.
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