# Lab Report Grading Rubric

<table>
<thead>
<tr>
<th>Criteria</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Report Components</strong></td>
<td>All required elements are present and additional elements that add to the report (e.g., thoughtful comments, graphics) have been added.</td>
<td>All required elements are present.</td>
<td>One required element is missing, but additional elements that add to the report (e.g., thoughtful comments, graphics) have been added.</td>
<td>Several required elements are missing.</td>
</tr>
<tr>
<td><strong>Question /Purpose</strong></td>
<td>The purpose of the lab or the question to be answered during the lab is clearly identified and stated.</td>
<td>The purpose of the lab or the question to be answered during the lab is identified, but is stated in a somewhat unclear manner.</td>
<td>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.</td>
<td>The purpose of the lab or the question to be answered during the lab is erroneous or irrelevant.</td>
</tr>
<tr>
<td><strong>Procedures</strong></td>
<td>Procedures are listed in clear steps. Each step is numbered and is a complete sentence.</td>
<td>Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences.</td>
<td>Procedures are listed but are not in a logical order or are difficult to follow.</td>
<td>Procedures do not accurately list the steps of the experiment.</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>All materials and setup used in the experiment are clearly and accurately described.</td>
<td>Almost all materials and the setup used in the experiment are clearly and accurately described.</td>
<td>Most of the materials and the setup used in the experiment are accurately described.</td>
<td>Many materials are described inaccurately OR are not described at all.</td>
</tr>
<tr>
<td><strong>Conclusion</strong></td>
<td>Conclusion includes whether the findings supported the hypothesis, possible sources of error, and what was learned from the experiment.</td>
<td>Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment.</td>
<td>Conclusion includes what was learned from the experiment.</td>
<td>No conclusion was included in the report OR shows little effort and reflection.</td>
</tr>
</tbody>
</table>
### Data
- Professional looking and accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.
- Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled.
- Accurate representation of the data in written form, but no graphs or tables are presented.
- Data are not shown OR are inaccurate.

### Drawings /Diagrams
- Clear, accurate diagrams are included and make the experiment easier to understand. Diagrams are labeled neatly and accurately.
- Diagrams are included and are labeled neatly and accurately.
- Diagrams are included and are labeled.
- Needed diagrams are missing OR are missing important labels.

### Safety
- Lab is carried out with full attention to relevant safety procedures. The set-up, experiment, and tear-down posed no safety threat to any individual.
- Lab is generally carried out with attention to relevant safety procedures. The set-up, experiment, and tear-down posed no safety threat to any individual, but one safety procedure needs to be reviewed.
- Lab is carried out with some attention to relevant safety procedures. The set-up, experiment, and tear-down posed no safety threat to any individual, but several safety procedures need to be reviewed.
- Safety procedures were ignored and/or some aspect of the experiment posed a threat to the safety of the student or others.

### Notes: