## LAB REPORT CHECKLIST

<table>
<thead>
<tr>
<th>LAB REPORT SECTION</th>
<th>DESCRIPTION</th>
<th>CHECK</th>
</tr>
</thead>
</table>
| **FORMAT**         | 1. Heading: First name Last name (Nickname)  
Ms. T. Cantillo  
Year Level and Class  
Date submitted  
2. On the header: last name and page #  
3. Each section is clearly labeled, in paragraph form and neat  
4. Avoid Personal Pronouns: I, we, us, he, she  
5. Double spaced, font Calibri, size 12 | ✔️ |
| **TITLE**          | 1. Supports the main idea of the investigation | ✔️ |
| **INDEPENDENT VARIABLE** | 1. Describe which aspect of the investigation will be **changed**  
2. Describes how lab equipment will be used to manipulate the variable  
3. Describe any measurement and unit needed | ✔️ |
| **DEPENDENT VARIABLE** | 1. Describe which aspect of the investigation will be **measured**  
2. Describes how lab equipment will be used to manipulate the variable  
3. Describe any measurement and unit needed | ✔️ |
| **CONTROL VARIABLE** | 1. Describe which aspect(s) of the investigation will be maintained the **same** throughout the investigation that deals with a measurement  
2. Describes the purpose of each CV  
3. Describe any measurement and unit needed | ✔️ |
| **RESEARCH QUESTION** | 1. The relationship between the independent and dependent variables is identified | ✔️ |
| **HYPOTHESIS**     | 1. Begins with the educated guess that mentions the independent and dependent variables  
2. Outline and explain the educated guess with scientific keywords and reasoning,  
3. References works cited and includes in-text citations. | ✔️ |
| **MATERIALS**      | 1. Equipment listed presented in bullet form  
2. Quantities and amounts listed  
3. Includes units | ✔️ |
| **SAFETY**         | 1. State materials and precautions needed to maintain safety while performing the method  
2. Describe purpose of safety precautions | ✔️ |
| **METHOD**         | 1. Clear and descriptive sequence of steps  
2. Numbered  
3. Independent, dependent and control variable are identified  
4. Includes equipment used with appropriate labels  
5. Uses verbs in imperative form: Add, Measure, Record | ✔️ |
<table>
<thead>
<tr>
<th>Table Heading</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6.</strong></td>
<td>Include steps to ensure the safety of experiments: safety goggles, lab coats, gloves, tie hair back, check for the fire extinguisher, etc.</td>
</tr>
</tbody>
</table>
| **DIAGRAM**   | 1. Drawing with all the components **labeled**
|               | 2. Components demonstrate the relationship between one another. |
| **DATA**      | 1. **IV** are vertical, **DV** are horizontal
|               | 2. Units are included in the headers, not in the individual boxes
|               | 3. Multiple trials are included
|               | 4. The average of the **IV** is included
|               | 5. **Calculations** of the mathematical computations are organized below the table
|               | 6. Graphs have title, axes labeled with units, appropriate ranges
|               | 7. Tables and graphs are numbered: Table 1., Graph 1., etc. |
| **RESULTS**   | 1. Describe the data with a verbal description
|               | 2. Should not contain any explanations of the experimental findings |
| **CONCLUSION**| 1. Describe the investigation
|               | 2. Describe any relationship and patterns found in the data
|               | 3. Describe the results and support the interpretation using scientific reasoning
|               | 4. Scientific reasoning includes in-text citations
|               | 5. Use these two types of science sentences: compare and contrast, cause and effect
|               | 6. Use the sentence structures below
|               | 7. Outline any interesting part of the investigation
|               | 8. Compare your results to the results of others
|               | 9. How can you apply what you learned in the investigation to future situations? |
| **EVALUATION**| 10. Discuss whether the hypothesis was accepted or rejected and support reasoning for it. Include numbers from the data.
|               | 11. Discuss any errors with the investigation’s method and how to improve it.
|               | 12. Describe future improvements to the investigation. |
| **WORK CITED**| 13. MLA format exported from EasyBib
|               | 14. Includes sources for all in-text citations |

**Conclusion Sentence Structures:**

- One important conclusion to be drawn from this [experiment/data/etc.] is that....
- In the [end/final] analysis...
- What can be [inferred/deducted/determined/interpreted] from this [experiment/data/etc.] is that...
- Ultimately...
- As the ________ increases at a ________ rate, so does the ________.