# 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 inquiry (briefly mention IV and DV) | |
| **INDEPENDENT VARIABLE** | 1. Outline which aspect of the investigation will be *changed*  
2. Outline how lab equipment will be used to manipulate the variable  
3. Outline any measurement and unit needed | |
| **DEPENDENT VARIABLE** | 1. Outline which aspect of the investigation will be *measured*  
2. Outline how lab equipment will be used to manipulate the variable  
3. Outline any measurement and unit needed | |
| **CONTROL VARIABLE** | 1. Outline which aspect(s) of the investigation will be maintained the *same* throughout the investigation that deals with a measurement  
2. Outline the purpose of each CV  
3. Outline any measurement and unit needed | |
| **RESEARCH QUESTION** | 1. The relationship between the independent and dependent variables is identified | |
| **HYPOTHESIS** | 1. Outlines the educated guess with the independent and dependent variables  
2. Supports the educated guess with scientific keywords and reasoning.  
3. References works cited and includes in-text citations. | |
| **MATERIALS** | 1. Equipment list presented in bullet form  
2. Quantities and amounts listed  
3. Includes units | |
| **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  
6. Include steps to ensure the safety of experiments: safety goggles, lab coats, gloves, tie hair back, check for the fire extinguisher, etc. | |
| **DIAGRAM** | 1. Google Drawings or pictures with all the components *labeled*  
2. Components demonstrate the relationship between one another. | |
<table>
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<tr>
<th>Grade 6</th>
<th>Self-Evaluation</th>
<th>Lab Report</th>
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### 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 averages of the IV are 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. Outline the data with a written description in complete sentences
2. **Should not** contain any explanations of the experimental findings
3. Include values from the data

### CONCLUSION
1. Begin by outlining the main idea of the investigation
2. Outline any relationships and patterns found in the data (increases, decreases, constant, outlier)
3. Accurately interpret the results and support the interpretation using scientific reasoning with in-text citations
4. Use the sentence structures below (compare and contrast, cause and effect)
5. Compare your results to the results of others
6. Outline any interesting part of the investigation
7. How can you apply what you learned in the investigation to future situations?

### EVALUATION
1. Discuss whether the hypothesis was accepted or rejected and support reasoning for it. Include numbers from the data.
2. Discuss any errors with the investigation’s method and describe how to improve it.
3. Describe future improvements to the investigation.
4. Outline ATL skills you developed in this inquiry.

### WORK CITED
1. MLA format exported from EasyBib
2. 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/deduced/determined/interpreted] from this [experiment/data/etc.] is that...
- Ultimately...

- As the __________ increases at a __________ rate, so does the ____________.