

Lab Report Checklist (Lab Title):

Name:

Section: **Day:** **Time:** **Lab Partner(s):**

1. Preparation and Planning: Total Possible Points: 10 **Points Earned:**

- ☐ Thoroughly understands the purpose and objectives of the lab.
- ☐ Demonstrates exceptional preparation and planning for the lab experiment.
- ☐ Asks insightful questions and formulates hypotheses.

2. Experimental Procedures: Total Possible Points: 20 **Points Earned:**

- ☐ Executes the experimental procedures accurately and precisely.
- ☐ Follows instructions and safety protocols meticulously.
- ☐ Demonstrates a clear understanding of the techniques and equipment used.

3. Data Collection and Analysis: Total Possible Points: 25 **Points Earned:**

- ☐ Collects sufficient data, ensuring accuracy and reliability.
- ☐ Organizes and records data systematically and neatly.
- ☐ Applies appropriate statistical analysis and presents results effectively.

4. Critical Thinking and Problem Solving: Total Possible Points: 20 **Points Earned:**

- ☐ Demonstrates exceptional analytical and critical thinking skills.
- ☐ Identifies and resolves problems during the lab independently.
- ☐ Formulates appropriate conclusions based on the data collected.

5. Collaboration and Communication: Total Possible Points: 15 **Points Earned:**

- ☐ Actively engages with lab partners and demonstrates effective teamwork.
- ☐ Communicates ideas clearly and concisely in written and verbal formats.
- ☐ Actively participates in discussions and offers constructive feedback.

6. Safety and Lab Etiquette: Total Possible Points: 10 **Points Earned:**

- ☐ Adheres to safety protocols and demonstrates a strong commitment to lab safety.
- ☐ Handles chemicals, equipment, and glassware with care.
- ☐ Maintains a clean and organized workspace throughout the lab.

Overall Score:

- Excellent: 90–100
- Good: 80–89
- Fair: 70–79
- Poor: Below 70