

WRITTEN LABORATORY REPORT (25 pts)

Group No. _____
Leader: _____
Members: _____

Year & Section: _____
Date Submitted: _____

Experiment No. _____

(Title)

I. Objectives (1.5 pts)

- 3 objectives (0.5 pt each)
- paraphrase if taken from the lab manual

II. Materials and Apparatus (1.0 pt)

III. Procedure (3 pts)

- use paragraph form
- use past tense and passive voice
- never use personal pronouns ("I", "We", etc.)

IV. Data and Results (5 pts)

- use graphs and tables to present data
- number and title tables and graphs (Table 1, Figure 1, etc.)
- state all significant results (trends, patterns, differences) explicitly in sentence form but don't discuss their implications

V. Discussion (10 pts)

- Analyze, interpret, and explain results.
 - Analyze: What do the results show/indicate?
 - Interpret: What is the meaning of the results? What errors/inconsistencies/ambiguities exist? How did they affect the results? How could the results be improved?
 - Explain: How well do the results support/ illustrate the theory being explored?

[Note: Integrate your answers to guide questions into this discussion part.]

VI. Conclusion (3 pts)

- Briefly and precisely state the main result.
- Make it sure this part directly relates to/echoes the objectives of the experiment.

VII. Reference (1.5 pts)

- 3 references (0.5 pt each) at least one book
- use proper format

OTHER REQUIREMENTS

- Use short bond paper and black ballpen.
- Proper margin: 1" at the top, bottom, right, and left of each page
- Submit report before postlab discussion; late report will not be accepted.

LABORATORY PERFORMANCE (5 pts)

Demerits (minus 1 pt each):

- Removing lab gown and goggles during lab work
- Contaminating chemicals
- Horseplaying
- Not cleaning work area after lab work
- Not helping group mates