LAB REPORT GRADING

65 points total

TITLE (3 points) Separate page.
1. Name and Date
2. Descriptive Title

ABSTRACT (10 points) The abstract concisely (<250 words) summarizes the question being investigated, the methods used, the results, and the conclusion drawn. Use past tense and third person throughout.
1. Introduce General Subject.
2. Question being investigated (hypothesis).
4. Results.
5. Conclusion.

INTRODUCTION (15 points) The Introduction should provide the context for your investigation and state the hypothesis tested in the study. Use past tense and third person throughout.
1. Introduce General Subject.
2. Enough background information to arouse interest and give context of present experiments
3. Cite sources to substantiate background information.
4. State the hypothesis
5. Explain how the method used will produce information relevant to your hypothesis

PROCEDURE / MATERIALS & METHODS (5 points)
1. Written in paragraph form (not a list of materials)
2. Brief recapitualation of experimental procedure.
3. Specific detail provided where procedure deviated from that of previously published procedure or where an unfamiliar technique warrants further explanation.
4. Indicate dependent variable, independent variable, control, replications, etc.
5. Past Tense
RESULTS SECTION

Text of the Results Section. (3 points)
1. Brief paragraph that draws the reader’s attention to the important pieces of data. This should begin before any table or graph is presented.
2. Present data in an organized readable form.
3. Refer to each table and graph in the text.
4. Raw data is not included.
5. Do not give explanations about results in the Results section (save that for discussion)

Tables & Graphs of the Results Section. (9 points)
1. Each is numbered and has a descriptive title.
2. Key if necessary.
3. Use graph paper unless graphs are computer generated.
4. Use appropriate type of graph to best present the relationship between factors.
5. Label axis completely.
6. Use entire area of graph to display data.
7. Choose appropriate intervals on each axis.
8. Figure legend should include a brief description of the experimental conditions. eg Figure 1. Effect of Catalase on Rate of H₂O₂ Decomposition. Data expressed as mean, n=5, 1 trial each. Including specific numbers If tables and graphs represent mean data, the number of trials should be indicated (for example, data expressed as mean, n=5)

DISCUSSION (18 Points)

In the Discussion section you should interpret the results, explain their significance, and discuss any weaknesses of the experimental methods or design.

1. Restatement of Hypothesis (2 points)
2. Confirm or refute hypothesis? (2 points)
3. Restatement of specific data that enabled you to confirm or refute your hypothesis. (4 points)
4. Do your results fit with previous data? (2 points)
5. Significance of your findings. (2 points)
6. Identify weaknesses of experimental design. (2 points)
7. Sources of error during experiment. (2 points)
8. Future Experiments. (2 points)
9. Concluding statement (2 points)

LITERATURE CITED (2 points)
1. Proper Citation Format (2 points)