

Scientific Paper Review CHE 115

(Feel free to add or reduce space as needed to answer questions)

Name:

Paper # reviewed:

Abstract

Does the abstract clearly summarize the paper?

Does the abstract contain at least one sentence summarizing each section of the paper?

Introduction

Does the introduction provide enough background so that you understand how and why the students are doing this experiment?

Does the introduction contain a paragraph (or at least a few sentences) summarizing the goal of the experiment?

Are the background information sources cited?

Procedure

Is the procedure detailed enough that you could take what the students have written and repeat exactly what they did?
If not where are they missing details?

There should not be a materials list. Is a materials list included?

Is the procedure complete and correct (as we did it in class not as listed in the book)?

Results

Are the group's results stated clearly in sentence form?

Are figures or tables included? If so do they contain the correct headings (Figure 1 with no title below or Table 1 with title above, etc.) and labels (axis labels, units, etc.)?

Are the results stated in the correct order (i.e. calibration curve before unknowns)?

Discussion

Are the results discussed clearly and thoroughly?

Does the author refer to the Figures and/or Tables when discussing the results?

Does the author discuss possible errors?

Conclusion

Does the conclusion provide a brief statement of the overall result of the lab?

References

Is there a reference section?

Overall

Was the paper easy to understand?

Was the grammar and sentence structure clear and correct?

Was the paper too wordy, too short, or just right?