Data Analysis and Conclusions Checklist

(6) Data Tables and Graphs

_____ Appropriate data tables are used to show raw data (include title and labels/units)

_____ Appropriate graphs are made using averages (include title and labels/units on each axis)

(10) Statistics/Analysis of Findings

_____ Printouts of actual statistical data included (each stats box is labeled as to what was compared!!)

_____ Paragraph explaining what each p-value means in relation to your experiment include the following words: p-value, null hypothesis, statistically significant (or insignificant), accepted (or rejected)

(12) Overall Conclusion

_____ Purpose of experimentation is stated and actual experiment is briefly explained

_____ Major findings/conclusion are stated and supported by specific data AND statistics (p-value)

_____ Experimental errors are noted and improvements to experimental design that would address experimental errors are included

_____ Possibilities for future study are mentioned (the next experiment I would do is…)

(5) Wording

_____ Wording, spelling and transition statements enhance the flow of information in p-value paragraphs and overall conclusion

(6) Other

_____ The following phrases are NOT found in your data analysis or conclusion: My hypothesis was right…, my hypothesis was wrong…

_____ Typed, double spaced, neat

_____ Turned in on due date