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

(4) 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