

## Grading Template

\_\_\_\_\_ [20] Data Collection

- (10) appropriate data has been collected in proper amounts
- (10) data collection gives evidence that appropriate procedures were followed

\_\_\_\_\_ [25] Data Presentation

- (5) data is well organized in a table or graph
- (5) units are included where appropriate
- (5) data is given context and not presented in a vacuum
- (5) symbols are identified
- (5) uncertainties are given for every measured quantity

\_\_\_\_\_ [30] Analysis of Data

- (5) formulae used in analysis are ALL cited and presented
- (5) calculations presented in well organized tables, where appropriate
- (5) sources of error are identified
- (5) statements about how error could change experiment are justified physically or mathematically
- (5) numerical comparison of theoretical quantities is made utilizing uncertainties
- (5) any oddities are explained, if present

\_\_\_\_\_ [10] Conclusions

- (5) General restatement of theory and whether or not the data supported the theory
- (5) Statements about improvement on methodology, if appropriate

\_\_\_\_\_ [5] Neatness

\_\_\_\_\_ [10] Grammar

\_\_\_\_\_ **TOTAL SCORE**