Student: _____

Experiment:

Journal Grading Summary
Overall
\Box The Journal is the correct quad-ruled, hard bound notebook?
\Box All pages are numbered, on both sides, including pages that you haven't used?
□ Student's name and contact information are on the cover?
\Box Pages 1 and 2 (Not the inside cover!), at a minimum, are reserved for the table of contents?
□ Table of contents is complete for all completed labs?
□ Journal has no torn-out pages?
□ Lab manual is up-to-date in a 3-ring binder?
Preparatory Work
\Box Pre-lab answers do not require the lab manual itself to understand the answer?
□ Addresses main ideas, not just answers to lab manual questions?
□ Main ideas are summarized for easy access (e.g., for the quiz)?
Lab Work & Effort
\Box Recorded lab partner's name and contact info?
□ Recorded all <i>original</i> measurements (<i>before</i> making any calculations or conversions)?
□ Recorded all necessary quantities?
□ Repeated measurements that were obviously incorrect?
Uses appropriate symbols for each quantity (including equations on plots)?
Excel
□ Recorded all <i>original</i> measurements (<i>before</i> making any calculations or conversions)?
Uses only Excel equations for <i>all</i> other cells? (that is, you may never enter any value from a calculator)
□ Includes labels and units?
□ Worksheet includes all partners' names and the date that the experiment was performed?
Analysis & Uncertainties
□ Includes derivation of all necessary lab equations from fundamental physical laws?
□ Relates results from plots to basic equations? (i.e., understands purpose of each plot)
□ Presents algebraic representations of all uncertainties?
Clarity & Presentation
□ Mistakes, although crossed out with a single line, are still legible?
□ Includes complete, clear, labeled drawing of the experiment without extraneous detail?
□ Includes all plots?
□ Includes a summary table with all relevant quantities?
□ Summary includes units and uncertainties?
□ Provides sufficient description (procedure) so that someone else could repeat the experiment without the
assistance of the lab manual or any other external reference?
□ Data, analyses, etc. are not crammed into too small a space or in illogical order?
\Box All numerical information is labeled?
□ Information is presented sequentially (rather than in parallel)?
□ Includes an original copy of your abstract?

Comments: