

	Advanced (100%) <i>In addition to proficient requirements</i>	Proficient (80%)	Partially proficient (60%)	Basic (40%)
Purpose (10 points)	How does your lab relate to what we've learned?	What is your lab about? What should you get out of the lab?	What is your lab about?	Generic purpose
Materials (10 points)	Also includes amounts of chemicals required	Includes all necessary lab equipment and chemicals	Includes most equipment and chemicals	Includes some equipment and chemicals
Procedure (20 points)	Clear, concise. Easily reproducible without specialized knowledge	Includes all steps necessary for experiment, demonstrates knowledge of subject	Steps are slightly unclear, some are missing	Only an incomplete list of steps is given, unclear
Data (20 points)	Organized in table, easy to follow. High quality qualitative descriptions for everything.	Includes qualitative and quantitative data. Contains all measurements necessary to lab with correct sig figs. Describes all changes occurring in lab.	Contains only quantitative data/measurements	Some data present but not all information required by lab.
Calculations (20 points) <i>I'm happy to check off your calculations in class</i>	All work shown, even subtraction steps.	Calculations are accurate based on collected data, correct sig figs, all numbers have units and formulas	Calculations do not contain relevant units and formulas.	Calculations contain errors.
Conclusion (10 points)	Explains how errors could affect results, demonstrates thorough understanding of concepts	Restates purpose, summarizes results, describes possible errors and improvements	Restates purpose and summarizes results	Contains only one component
Sources (10 points)	Cite all of your sources. Use MLA or APA formatting. Easybib is ok			