

All **possible** report components are described below. The total lab report point value depends on the lab. All text - abstract, objective, hypothesis, conclusion, result, procedures, etc - must be unique to you except that the materials list may be copied from the handout. At a minimum, plagiarism results in a zero on the whole lab; worse penalties are also possible. Lab reports are NOT group reports, unless stated otherwise. Reports written by computer must be submitted to turnitin.com AND hardcopy. Failure to submit will result in a 0 (zero) score on the report.

Turnitin information

Period 5: class code is 2510450 password is "**chemistry**"
 Period 6: class code is 2510454 password is "**chemistry**"
 Period 7: class code is 2510455 password is "**chemistry**"

Components are listed largely in chronological order, the order they should appear in the report. But note that the abstract should allow space for a summary of the outcome of the experiment.

Component	Pts	Deductions	Description
Identifying information	5 max	Missing any item -1 pt per item	Includes name, date, period, and group members. (Include group roles and bench number if instructed by your teacher.)
Title	5 max	-5 missing, -2 not meaningful	Present, distinctive and succinct.
Abstract	Extra	See below	See below
Objective OR Hypothesis	5 max	-5 missing	Include either an objective (what some call a purpose) or a hypothesis, but not both. An objective clearly and succinctly describes purpose of lab. A hypothesis is expressed as an "if...then..." statement
Materials	5 max	-5 missing -2.5 lacks details	Detailed list of all materials, including quantities
Procedures	5 max	-5 missing -2.5 lacks details	Clear, complete, narrative describing procedure used. Written so the experiment could be repeated from this narrative.
Data & Calculations	5 max	-5 missing -1 or more if missing table(s), -1 tables lack title and/or headings -1 data lacks units -1 no sample calculations.	All necessary data presented in an easy to read format. All graphs and charts are labeled correctly. The correct number of significant figures is used. The correct units are used correct statistical analysis is provided if it is called for. Include examples of all types of calculations, showing equation used, actual experimental values, correct units and significant digits, calculation, and answer.
Results	5 max	-5 missing or fails to identify the results.	Identifies what was determined by the experiment. This must relate to the experiment's objective or hypothesis.
Conclusion	5 max	-5 missing	Discussion of scientific principals in the lab. To get full credit your report MUST include a meaningful discussion of all of the concepts covered in the lab.
Pre- and Post-lab questions	5-10 max	-10 missing	Lab dependent. Answer any pre- and post-lab questions supplied with the lab.
Human Errors	5 max	-5 missing	Discuss errors that you or members of your group made and how you would perform the lab differently if you were to repeat it. This is not the same as experimental error.
Experimental Errors	5 max	-5 missing	A critical part of any lab conclusion is the "failure analysis". What went wrong? Why don't I have 0% error? Your job is to review the experiment to uncover the major sources of errors in this experiment, aside from the ever-popular "Human Error", which is always present. Find 2-3 specific and major problems related to the experimental design of this lab
Error Analysis	Extra	See below	See below
Format	5 max	-2 report components NOT in order listed -2 component(s) lacks heading -5 in pencil	Lab report components are in the order listed and, except for identifying info and title, each section has a heading so the reader can find it quickly. Report is written in ink or on computer and includes all components within the body of the report. Components may NOT be written on an attached handout.
Abstract	Extra 10 max	-2 per missing component	Clearly summarizes -- from a high level -- the whole lab report, from introduction and procedures, through to the results. A good rule-of-thumb is to write approximately one sentence per report section, so the whole abstract should be 5-10 sentences in length. Don't repeat in detail what you did, but do include results and an error summary.