

Name _____ Abbrev. Report Title _____ Score _____

	4 points	3 points	2 points	1 point
Title	Title is clear and descriptive. Author's name, course name, date, and school name are included.	Title is ambiguous <i>or</i> author's name, course name, date, or school name missing.	Title is ambiguous <i>and</i> author's name, course name, date, or school name missing.	Title is missing, and author's name, course name, date, or school name missing.
Abstract (Missing heading, -1 point)	Condenses basic methods, findings, and conclusions of lab paper by providing a concise, complete synthesis of points presented in the text. It is not an introduction. It is <i>NOT</i> a "teaser" or advertisement for the paper.	Is a less-than complete summary of lab report, and/or does not include specifics findings or conclusions, leans toward a "teaser" or advertisement for the paper.	Contains poor summary of lab report, and/or is a "teaser" or advertisement for the paper.	Something is written, but it does not conform to the guidelines of an abstract.
Introduction (Missing heading, -1 point)	States a problem or asks a question. Makes a clear statement of purpose. Describes completely the scientific principles involved in the investigation. Includes chemical-safety considerations. Cites sources—(Zumdahl et al, 2018) or (Vonderbrink, 2001) [see below] and safety source [posted] or all—where applicable.	States a problem or asks a question. Makes a clear statement of purpose. Describes most of the scientific principles involved in the investigation, and/or safety information inadequate, or sources incorrectly cited or formatted.	Does not state a problem or ask a question, and/or makes a less-than-clear statement of purpose, and/or makes an attempt to describe the scientific principles involved in the investigation, albeit misstated. Sources may not be cited, and/or safety missing.	Something is written, but it does not at all conform to the guidelines for an introduction.
Materials and Methods (Missing heading, -1 point)	Lists all materials used in the investigation. Presents, in paragraph form, a clear and concise first-person, or third-person-omniscient, account (not a "recipe") of the procedures utilized in the investigation, such that another individual could replicate the lab set-up and investigation.	Lists most of the materials used in the investigation, and/or presents an unclear or numbered first-person, or third-person-omniscient, account of the procedures utilized in the investigation.	Lists some of the materials used in the investigation, and/or presents a "recipe" or numbered account of the procedures utilized in the investigation.	Materials list missing, and/or presents a list of procedures for the investigation.
Results and Analysis (Missing heading, -1 point)	Collects, organizes, and displays data accurately (i.e., with <u>significant figures</u>) in table(s). Includes graph(s), if applicable. Contains a concise, but complete, summary and description of results. Includes complete calculations, if applicable, done neatly.	Collects, organizes, and displays data in table(s) with minor inaccuracies (e.g., sig figs). Includes graph(s), if applicable. Contains a brief summary and description of results. Calculations done neatly, but may be incomplete or incorrect.	Collects, organizes, and displays data with considerable error, or no recognizable table, and/or includes no graph(s) or no adequate graph(s), when applicable. Contains a poor summary or description of results, and/or calculations incomplete, incorrect, or illegible or sloppy.	Some or all data missing, and/or includes no graph(s), when applicable. May contain a poor attempt at describing results, and/or calculations missing.
Discussion (or <i>Conclusions</i>) (Missing heading, -1 point)	Presents a reasonable interpretation of, and logical explanation for, all findings pertaining to problem and stated purpose above. Discusses possible sources of error, in detail, including ways of possibly avoiding such errors in future investigations.	Presents a reasonable interpretation of, and explanation for, findings pertaining to problem and stated purpose, but may repeat material from other sections of paper. Discusses possible sources of error.	Presents a less-than-reasonable interpretation of findings pertaining to problem and stated purpose, and/or fails to address sources of error adequately.	Something is written, but it is not an interpretation of findings, and/or fails to address sources of error.
Sources Cited (Missing heading, -1 point)	Includes the following sources (as used): Flinn Scientific (See Safety Site Citation, <i>mrthaler.net</i>) Vonderbrink, S. A. (2001). Laboratory Experiments for Advanced Placement Chemistry. Batvia, IL: Flinn Scientific. Zumdahl, S.S., S.A. Zumdahl, and D.J. DeCoste (2018). <u>Chemistry, 10th ed.</u> Boston, MA: Cengage Learning.	Lists sources with minor mistakes in formatting, and/or inaccurate reporting of sources used.	Lists sources with major mistakes in formatting. May inaccurately report sources used.	Source list is grossly incomplete.
Original Data (Missing heading, -1 point)	Data collected in lab is organized (in a table, for example), data is recorded in blue or black ink with any changes/mistakes crossed out, no erasures, and there is a cover page w/ title.	Data collected in lab is organized, data is recorded in ink with any changes/ mistakes crossed out, but appears to be recopied (instructor's judgment), and/or no cover page w/ title.	Data collected in lab is somewhat organized, not written in ink, and/or appears to be recopied (instructor's judgment) or erasures, and/or no cover page w/ title.	A weak attempt was made to include original data, but it is poorly or not-at-all organized, and/or not in ink, and/or erasures, and/or no cover page w/ title.

SSHS ESLRs Addressed: Powerful Thinkers; Effective Communicators; Academic Excellence; Assuming Responsibilities of Adulthood

Attention: A copy of this form must accompany each informal lab report, or 2 points will deducted from your grade.