

AP Chemistry Lab Report Guidelines Mrs. Gano, 2016-2017

Lab reports will be written up in a bound duplicate notebook which will produce a carbon copy of each page. The bottom copy will be torn out and submitted for grading. The top copy is for you to keep for your records. Some universities and colleges will want to see your lab notebook before granting chemistry credit, or to facilitate class placement. Therefore, it is important that you keep a neat and accurate representation of your laboratory work.

All lab reports must be handwritten in ink. All errors should be drawn through with a single line. **NO WHITEOUT OR CORRECTION FLUID** is allowed (you might need the information later)! **NEATNESS COUNTS**, and points will be deducted for messy labs.

Put your name (in ink or permanent marker) on the front of your lab notebook. The Table of Contents is on the underside of the front cover. You should enter all labs we write up into the Table of Contents. The first lab will begin on page 1. The first page of every lab should have the heading information filled out completely, including the full name of the lab and your *lab partner's* name. Subsequent pages of the same lab can have simply your initials and the name of the lab filled out, in case the page is separated from your lab book. The parts of the write-up will be very similar to what you may have experienced in first-year chemistry. The big difference is that there will be no required introduction. That information from the lab handout will be your best resource for synthesizing the concepts in the conclusion. The parts of the lab write-up are:

I. OBJECTIVE:

State the purpose of the lab in short, numbered sentences.

II. MATERIALS & EQUIPMENT:

List the materials and equipment needed for the lab in columns. Separate the Materials (those items that are consumed during the lab) and Equipment (those items that are not consumed during the lab) into separate columns. Be sure and write the formulas and names of the chemicals used. Often, these will not be listed in the lab handout. You will have to read to find them. Ex:

MATERIALS:

Sodium hydroxide, NaOH

EQUIPMENT:

Electronic Balance, .0001g

III. PROCEDURE QUESTIONS:

1. Read through the lab procedure.
2. Answer the Procedure Questions: you do NOT need to write the question first if you use complete sentences.

IV. SAFETY

Include a section highlighting the **SPECIFIC** safety concerns with the chemicals, equipment, or procedure. Be sure to list appropriate safety equipment required. You need more detail than "be careful with chemicals."

V. PRELAB QUESTIONS (OPTIONAL, for EXTRA POINTS)

Many of the labs that you will do will have pre-lab questions included. These are optional. Pre-lab questions, in order to earn extra points on a lab, must be done *before* the lab, and must be written *before* the data table! They are worth 5 extra points on your prewrite grade.

VI. DATA TABLES:

Draw all data tables, with a correct title, into your lab book. A straight edge must be used, but the gridlines of the lab book may be useful. Include appropriate units for all numbers, and read all measuring devices using appropriate significant figures estimation. Don't forget to note which balance you are using throughout the lab.

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University of Virginia

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The Success Criteria Playbook John Almarode, Douglas Fisher, Kateri Thunder, Nancy Frey, 2021-02-05 Provide students a clear view of what success looks like for any process task or product. What does success look like for your students? How will they know if they have learned? This essential component of teaching and learning can be difficult to articulate but is vital to achievement for both teachers and students. The Success Criteria Playbook catapults teachers beyond learning intentions to define clearly what success looks like for every student whether face to face or in a remote learning environment. Designed to be used collaboratively in grade level subject area teams or even on your own the step by step playbook expands teacher understanding of how success criteria can be utilized to maximize student learning and better engage learners in monitoring and evaluating their own progress. Each module is designed to support the creation and immediate implementation of high quality high impact success criteria and includes Templates that allow for guided and independent study for teachers. Extensive STEM focused examples from across the K-12 STEM curriculum to guide teacher learning and practice. Examples of success criteria applied across learning domains and grades including high school content skills, practices, dispositions, and understandings. Ensure equity of access to learning and opportunity for all students by designing and employing high quality high impact success criteria that connect learners to a shared understanding of what success looks like for any given learning intention. **Illustrated Guide to Home Chemistry Experiments** Robert Bruce Thompson, 2008-04-29 Provides information on setting up an in-home chemistry lab covers the basics of chemistry and offers a variety of experiments.

America's Lab Report National Research Council, Division of Behavioral and Social Sciences and Education, Center for Education, Board on Science Education, Committee on High School Laboratories: Role and Vision, 2006-01-20 Laboratory experiences as a part of most U.S. high school science curricula have been taken for granted for decades but they have rarely been carefully examined. What do they contribute to science learning? What can they contribute to science learning? What is the current status of labs in our nation's high schools as a context for learning science? This book looks at a range of questions about how laboratory experiences fit into U.S. high schools. What is effective laboratory teaching? What does research tell us about learning in high school science labs? How should student learning in laboratory experiences be assessed? Do all students have access to laboratory experiences? What changes need to be made to improve laboratory experiences for high school students? How can school organization contribute to effective laboratory teaching? With increased attention to the U.S. education system and student outcomes no part of the high school curriculum should escape scrutiny. This timely book investigates factors that influence a high school laboratory experience looking closely at what currently takes place and what the goals of those experiences are and should be. Science educators, school administrators, policy makers, and parents will all benefit from a better understanding of the need for laboratory experiences to be an integral part of the science curriculum and how that can be accomplished. *Journal of Research of the National Bureau of Standards*, 1975. *An Introductory*

Guide to EC Competition Law and Practice Valentine Korah,1994 **Clinical Guide to Laboratory Tests** Norbert W. Tietz,1995 The 3rd edition presents information on common tests as well as rare and highly specialized tests and procedures Biological variables that may affect test results are discussed and a focus is placed on reference ranges diagnostic information clinical interpretation of laboratory data interferences and specimen types Includes a section on molecular pathology and tests have been added in the areas of endocrinology immunochemistry serologic hepatitis testing and more

Publications of the National Bureau of Standards ... Catalog United States. National Bureau of Standards,1978

Carolina Science and Math Carolina Biological Supply Company,2003 **Dr. Mom's Parenting Guide** Marianne Neifert,Marianne R. Neifert,1996-06 The author of Dr Mom A Guide to Baby and Child Care offers her own hard won philosophy on parenting in the 1990s Realizing that most parents greatest concerns revolve around their child s self esteem Dr Neifert with comforting and compassionate advice offers a positive realistic philosophy on parenting *Annual Report* University of the State of New York. High School Department,1901 *Readers' Guide to Periodical Literature* Anna Lorraine Guthrie,1929 An author subject index to selected general interest periodicals of reference value in libraries *Archives of Pathology & Laboratory Medicine* ,2008 **Biology** ,1999 **Platers' Guide** ,1920 **Guide to Microforms in Print** ,1980 *Educational Screen and Audiovisual Guide* ,1936 **The United States Catalog** ,1924 **Labor Arbitration Reports** ,1990 *The Brass World and Platers Guide* ,1920 **The University of Virginia Record** University of Virginia,2007

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