

HOW TO WRITE A FORMAL LAB REPORT FOR THE EGGSPERIMENT LAB**OVERALL FORMAT:**

- ☐ typed with 1.5 spacing, 12 point font, and 1-inch page margins
- ☐ include header with last name and page number (right aligned)
- ☐ use **bold CAPITAL** letters for the heading of each section (left aligned)
- ☐ **USE past tense** and correct sentence structure, punctuation, grammar, paragraph format, and spelling. **DO NOT USE** personal pronouns (I, me, you, we...)
- ☐ **DO NOT PLAGIARIZE!!!**

COVER PAGE:

- ☐ Heading (left align)
 - Name
 - Lab Partner(s)
 - Course (Biology)
 - Teacher (Ms. Manzella)
 - Date Submitted

☐ **TITLE OF LAB REPORT**

- Should be descriptive and accurately name the lab and report.

- ☐ **SUMMARY (ABSTRACT):** (~1 paragraph)
 - A paragraph that briefly summarizes the lab and results. Summary should cover purpose of the lab experiment, your hypotheses (what you thought would happen to the egg in each solution), and a brief statement of final results (what actually happened to the egg in each solution).

REPORT:

- ☐ **INTRODUCTION:** (~2-3 paragraphs)
 - In your own words, clearly state the **objective(s) or purpose of the experiment**.
 - Provide **background information** on the **key vocabulary terms** that are referenced in the lab (cell, cell membrane, selectively or semi- permeable, passive transport, diffusion, osmosis, isotonic, hypertonic, hypotonic) and on the **key concepts** (e.g., what happens when a cell is placed in isotonic, hypertonic, and hypotonic solutions; why an egg without its shell is a good model of showing osmosis across a cell's membrane and why, in order to perform the experiment, the egg needs to be soaked in vinegar first; describe the concentrations of the solute to solvent in vinegar, syrup, and water).

How To Write Lab Report Abstract

Jean Brick, Maria Herke, Deanna Wong



How To Write Lab Report Abstract:

Write Your Lab Report Diana Hopkins, Tom Reid, 2020-02-24 Lab reports are used across a range of subjects and they require very different skills to writing essays or literature reviews Get the know how you need to avoid losing marks and write your report with ease Understand the structure so you know what s different before you start Avoid wasting time with insider tips on style and content Check your final report so you submit your best work Super Quick Skills provides the essential building blocks you need to succeed at university fast Packed with practical positive advice on core academic and life skills you ll discover focused tips and strategies to use straight away Whether it s writing great essays understanding referencing or managing your wellbeing find out how to build good habits and progress your skills throughout your studies Learn core skills quickly Apply them right away and see results Succeed in your studies and in life Super Quick Skills gives you the foundations you need to confidently navigate the ups and downs of university life *How To Write in Psychology*

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report showing how skills that emphasize correct grammar and appropriate style must be adapted to writing reports with a purpose reports that emphasize structure and content to persuade the readers It first covers basic principles then explores each section of a report step by step with sample report sections and critiques The Laboratory Report Writing Process Principles of Clear Lab Report Writing Rules of Practice for Lab Report Writing Graphics The Title Page and Table of Contents The Beginning of the Report The Body of the Report The Ending of the Report A Sample Student Lab Report For anyone who must write lab reports as part of their professional responsibilities **Academic Culture** Jean Brick, Maria Herke, Deanna Wong, 2020-08-11 Academic Culture introduces students to the demands of university study in a clear and accessible way and helps them understand what is expected of them Chapters equip students with the skills to recognise opinions positions and bias in academic texts from a range of genres think critically develop their own voice and refer to others ideas in an appropriate way Having established a foundation for successful university study the final part provides guidance on approaching different forms of academic writing including essays reports reflective assignments and exam papers Featuring helpful word lists examples think about this reflective prompts and skills practice activities in each chapter this bestselling book is an essential resource for all students new to university level study New to this Edition Contains three new chapters on reflective writing writing lab reports and writing in exams Features additional material on paraphrasing and summarizing Includes a new section on creating and maintaining an e portfolio New think about this feature

Introduction to Experimental Methods Terry W. Armstrong, 2023-07-31 Introduction to Experimental Methods succinctly explains fundamental engineering concepts in mechanics dynamics heat transfer and fluid dynamics From conceptualizing an engineering experiment to conducting a comprehensive lab this book enables students to work through the entire experimental design process Offering a complete overview of instruction for engineering lab methodology the book includes practical lab manuals for student use directly complementing the instruction Numerous worked examples and problems are presented along with several hands on experiments in individual lab manuals This book discusses how to write lab reports how to configure a variety of instruments and equipment and how to work through failures in experimentation Introduction to Experimental Methods is intended for senior undergraduate engineering students taking courses in Experimental Methods Instructors will be able to utilize a Solutions Manual for their course Features Provides an overview of experimental methods in mechanics dynamics heat transfer and fluid dynamics Covers design of experiments instruments and statistics Discusses SolidWorks and PASCO Capstone software Includes numerous end of chapter problems and worked problems Features a Solutions Manual for instructor use **How to Write Anything: A Complete Guide** Laura Brown, 2014-04-14 There has never been a guide as comprehensive as this to writing in all its forms Useful clear and encyclopedic this book is an essential guide for every household Examiner Need to know how to format your r sum for that job application How do you write a cover letter that will stand out Wondering how to request a letter of recommendation for

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Laboratory Methods in Microfluidics Basant Giri,2017-05-15 Laboratory Methods in Microfluidics features a range of lab methods and techniques necessary to fully understand microfluidic technology applications Microfluidics deals with the manipulation of small volumes of fluids at sub millimeter scale domain channels This exciting new field is becoming an increasingly popular subject both for research and education in various disciplines of science including chemistry chemical engineering and environmental science The unique properties of microfluidic technologies such as rapid sample processing and precise control of fluids in assay have made them attractive candidates to replace traditional experimental approaches Practical for students instructors and researchers this book provides a much needed comprehensive new laboratory reference in this rapidly growing and exciting new field of research Provides a number of detailed methods and instructions for experiments in microfluidics Features an appendix that highlights several standard laboratory techniques including reagent preparation plus a list of materials vendors for quick reference Authored by a microfluidics expert with nearly a decade of research on the subject

A Writer's Handbook - Third Edition Leslie E. Casson,2011-11-23 Written collaboratively by writing instructors at the Queen s University Writing Centre A Writer s Handbook is a compact yet thorough guide to academic writing for a North American audience This clear and concise handbook outlines strategies both for thinking assignments through and for writing them well The third edition is revised and updated throughout Features of the third edition Updated citation section MLA APA Chicago scientific electronic Updated section on using and citing electronic sources Expanded coverage of report writing and business letters

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sphere This book appeals to scholars researchers teachers and administrators working in North American higher education and English speaking countries particularly those in the fields of writing studies second language studies applied linguistics multilingual education literacy studies and international education Educators across disciplines seeking to better understand the growing population of Chinese international students in North America will likewise benefit Practical Handbook of Thermal Fluid Science Yun Wang,2023-03-13 Practical Handbook of Thermal Fluid Science is an essential guide for engineering students to practical experiments and methods in fluid mechanics It presents the topic of practical fluid physics in a simple clear manner by introducing the fundamentals of carrying out experiments and operational analysis of systems that are based on fluid flow The information enables readers to relate principles in thermal fluid science with the real world operation of important instruments that greatly impact our daily life such as power generators air conditioners refrigerators engines flow meters airplanes among others Key Features A simple organized chapter layout that focuses on fundamental and practical information about thermal fluid science experiments and equipment Provides an introduction to essential knowledge for analysis and evaluation of practical systems and major inventions Presents information about analysis of operating data for power plant efficiency Detailed chapters for studying and testing wind tunnels sphere heating cooling pipe flow engines and refrigerators heat pumps are provided Experimental data of Venturi and orifice plate flow meters are provided to show step by step calibration and experimentation Presents information on report preparation Includes multiple appendices to consolidate practical information for readers for quick reference Audience Students and teachers in mechanical engineering programs or any courses that have modules on fluid mechanics heat transfer and practical thermodynamics **A Writer's Reference with Writing about Literature** Diana Hacker,Nancy Sommers,2011 This version of the best selling college handbook includes a tabbed section called Writing about Literature a practical guide to interpreting works of literature and to planning composing and documenting papers about literature Students will find help with forming and supporting an interpretation avoiding plot summary integrating quotations from a literary work observing the conventions of literature papers and using secondary sources Writing about Literature also includes two sample student essays one that uses primary sources and one that uses primary and secondary sources The full primary texts are also included Writing about Literature is also available in a packageable stand alone booklet ISBN 978 0 312 65684 3 Contact your sales representative or sales_support bfwpub com for a copy A Writer's Reference with Resources for Multilingual Writers and ESL Diana Hacker,Nancy Sommers,2011-01-21 This version of the best selling college handbook helps both resident and international students understand college expectations and develop strategies for improving their academic English and academic writing Written by an ESL expert this booklet includes plenty of helpful charts activities exercises and model papers along with notes about where to find additional resources online and on campus Resources for Multilingual Writers and ESL is also available in a packageable stand alone booklet ISBN 978 0 312 65685 0 Contact your sales

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