

## HONORS CHEM 1st SEMESTER EXAM STUDY GUIDE FALL 2010

**STRATEGY:** Start by reading through your notes to refresh your memory on these topics. Then, use this review sheet as a starting point to identify the areas on which you need to spend more study time. For those areas, go back to homework assignments, quizzes, and reviews to practice more problems. I would also recommend going through all of your tests since these questions are only samples and do not include specific examples of how vocabulary and other conceptual information might appear in a multiple-choice or other format. Remember you can access notes and reviews on my website.

**IMPORTANT INFORMATION:**

- This must be handed in BEFORE taking your final exam.
- If entirely complete, 5 points will be added to your exam grade
- All work must be shown in DETAIL on lined paper

**Introduction to Chemistry – Chapter 1**

1. Identify safe/unsafe lab practices.
2. List pieces and uses of lab equipment.
3. List the requirements for tables and graphs.
4. What is plotted on the x-axis and on the y-axis?
5. Make a density graph.
6. What is water displacement?

**Matter and Change – Chapter 2**

7. Classify the following substances as *solid*, *liquid*, *gas*, or *plasma* based on their properties.
  - a. flexible volume, high KE, particles can disperse freely.
  - b. flexible volume, very high KE, particles are charged.
  - c. fixed volume, very low KE, orderly particles.
  - d. fixed volume, low KE, particles can move past each other.
8. Classify the following as element, compound, heterogeneous mixture, or solution.
  - a. graphite (carbon)
  - b. grape juice
  - c. table salt (NaCl)
  - d. pepper
9. Classify the following as *chemical* or *physical changes*.
  - a. cutting wire
  - b. ripening tomato
  - c. apple slices turning brown
  - d. compressing a gas
10. Classify the following properties as *physical* or *chemical*.
  - a. melts at 68.0°C
  - b. corrosive
  - c. reacts violently with water
  - d. decomposes in air
  - e. magnetic
11. Classify the following properties as *intensive* or *extensive*.
  - a. melting point
  - b. volume
  - c. mass
  - d. reactivity
  - e. density

**VOCAB:** kinetic molecular theory

# 1st Semester Chemistry Study Guide

**Roger B. Dooley**



## 1st Semester Chemistry Study Guide:

**Resources in Education**, 1984      *The Technique of Study in First Year Chemistry* Edward Wallace Johnson, 1930

Excel HSC Maths Extension 1 S. K. Patel, 2005 This comprehensive study guide covers the complete HSC Maths Extension 1 course and has been specifically created to maximise exam success This guide has been designed to meet all study needs providing up to date information in an easy to use format Excel HSC Maths Extension 1 includes free HSC study cards for revision on the go or at home comprehensive topic by topic summaries of the course preliminary course topics covered in detail illustrated examples of each type of question self testing questions to reinforce what you have just learned fully worked solutions for every problem chapter summaries for pre exam revision icons and boxes to highlight key ideas and words four complete trial HSC exam papers with worked solutions extra questions with answers      **HSC Ancient History**

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**Catalogue of the Officers and Students** University of Wisconsin, 1893      **Excel HSC Economics** J. Buultjens, 2005 Contains comprehensive coverage of the new course chapter summaries research activities glossary of terms and useful websites      **Differentiated Study Guide High School Chemistry** Carl David Morneweck, Chester Arthur Buckner, Gale R. Kirschner, 1935      **Annual Catalogue of the Officers and Students of the University of Kansas** University of Kansas, 1882

**The National Guide to Educational Credit for Training Programs** American Council on Education, 2005 Highlights over 6 000 educational programs offered by business labor unions schools training suppliers professional and voluntary associations and government agencies      *Excel Preliminary Maths Extension 1* John Compton, Allyn Jones, 2002 This Excel Preliminary Maths Extension 1 study guide has been specifically designed to meet the student's study needs by providing the most comprehensive up to date information in an easy to use format This study guide will ensure Preliminary Maths Extension 1 exam success Excel Preliminary Maths Extension 1 contains a comprehensive summary of the Preliminary Maths Extension 1 components of the course worked examples on a range of questions a

detailed checklist at the beginning of each chapter to check your understanding end of chapter exercises to test your knowledge worked solutions to every exercise across referencing system linking worked examples to end of chapter exercises icons throughout the book for effective revision three sample exam papers with complete worked solutions a quick answer section consisting of only answers for quick marking      Review Notes and Study Guide to Hardy's Tess of the D'Urbervilles Thomas Hardy, Robert Ackerman, 1964      **Catalogue** University of Wisconsin, 1893      Teaching First Year Chemistry Joseph Otto Frank, 1927      **The Saturday Review of Politics, Literature, Science and Art** , 1880      Review Notes and Study Guide to Modern British & Irish Drama Roger B. Dooley, 1964      **Saturday Review** , 1882      The Bookseller , 1882 Official organ of the book trade of the United Kingdom      **American Book Publishing Record** , 1970      Guide to the Evaluation of Educational Experiences in the Armed Services, 1954-1989 , 199?

## **1st Semester Chemistry Study Guide** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has be evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **1st Semester Chemistry Study Guide**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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