

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

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M Tight



Chemistry 1 Honors Final Exam Study Guide:

Student-Centered Learning by Design Jacquelyn Whiting, 2021-03-15 Current research is pushing schools to adopt more student centered approaches to the classroom experience and educators librarians and classroom teachers alike are being challenged to revise their curricula and instruction to be student centered personalized and differentiated This book empowers librarians teachers and administrators to be empathic problem solvers and decision makers By reframing the challenges that members of a learning community face as opportunities to better meet teaching and learning needs readers will find that adoption of a mindset focused on users namely design thinking elevates and creates opportunities for innovating pedagogy Moreover it can enhance school culture as well as build channels of communication among various stakeholders in schools and districts When educators of any subject or discipline apply design thinking skills to their curriculum implementation authentic student centered learning experiences become the core of the learning experience The case studies shared in this book provide examples of student centered approaches being used in elementary middle and high schools so that readers have many models on which to base their work and from which to build confidence in shifting their pedagogy to keep the student at the center of teaching and learning decisions *Curriculum Handbook with General*

Information Concerning ... for the United States Air Force Academy United States Air Force Academy, 1993 **Annual Catalogue** United States Air Force Academy, 1985 United States Air Force Academy United States Air Force Academy,

Teaching Innovation in University Education: Case Studies and Main Practices Saura, Jose Ramon, 2022-06-17 In the last decade the development of new technologies has made innovation a fundamental pillar of education Teaching innovation includes the evolution of both teaching and learning models to drive improvements in educational methodologies Teaching innovation is a pioneer in the understanding and comprehension of the different teaching methodologies and models developed in the academic area Teaching innovation is a process that seeks validation in the academic and teaching communities at universities in order to promote the improvement and its practices and uses in the future characterized by digital development and data based methods Teaching Innovation in University Education Case Studies and Main Practices features the major practices and case studies of teaching innovation developed in recent years at universities It is a source on study cases focused on teaching innovation methodologies as well as on the identification of new technologies that will help the development of initiatives and practices focused on teaching innovation at higher education institutions Covering topics such as didactic strategics service learning and technology based gamification this premier reference source is an indispensable resource for pre service teachers lecturers students faculty administrators libraries entrepreneurs researchers and academicians Guide to American Graduate Schools , 1975 **Lovejoy's Prep School Guide** Clarence Earle Lovejoy, 1974 *Peterson's Guide to Graduate Programs in the Physical Sciences and Mathematics* , 1991 Peterson's Guide to Graduate Programs in the Biological Sciences 1997 Peterson's, 1997-01-05 Graduate students depend on this series

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available Each Guide features The Graduate Adviser which discusses entrance exams financial aid accreditation and more Interest in these fields has never been higher And this is the source to the 3 400 programs currently available from bioengineering and computer science to construction management General Catalog Iowa State University,1989

Guide to Programs in Nursing in Four-year Colleges and Universities Ruth Lamothe,American Council on Education,1987 **Chambers's Encyclopædia** ,1888 Peterson's Guide to Graduate Programs in the Biological and Agricultural Sciences ,1990

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