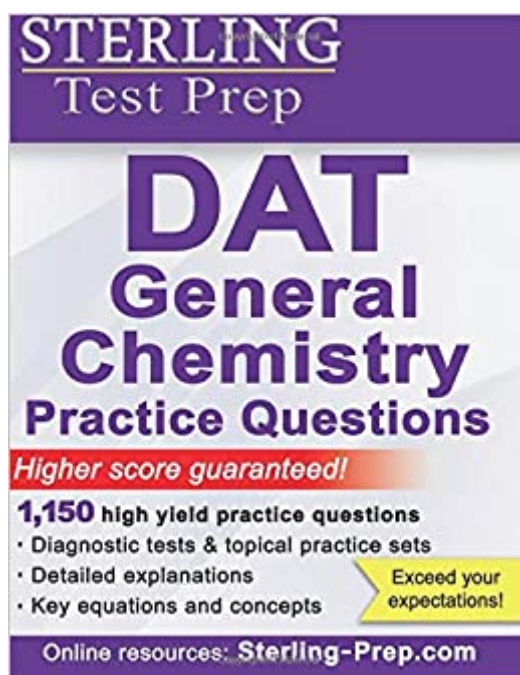


The book was found

Sterling DAT General Chemistry Practice Questions: High Yield DAT General Chemistry Questions



Synopsis

DAT Gen Chem best seller! A NEW edition with complete explanations! 1,150 general chemistry practice questions with detailed explanations covering all topics tested on the General Chemistry section of DAT : A A A A Electronic and atomic structure of matter A A A A Periodic table A A A A Chemical bonding A A A A States of matter: gases, liquids, solids A A A A Solution chemistry A A A A Acids and bases A A A A Stoichiometry A A A A Equilibrium and reaction rates A A A A Thermochemistry A A A A Electrochemistry

Book Information

Paperback: 620 pages

Publisher: CreateSpace Independent Publishing Platform; Pap/Psc edition (June 14, 2014)

Language: English

ISBN-10: 1500195774

ISBN-13: 978-1500195779

Product Dimensions: 8.5 x 1.4 x 11 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 32 customer reviews

Best Sellers Rank: #316,292 in Books (See Top 100 in Books) #9 in A A Books > Education & Teaching > Higher & Continuing Education > Test Preparation > Graduate School > Graduate Preparation #306 in A A Books > Medical Books > Dentistry #501 in A A Books > Education & Teaching > Higher & Continuing Education > Test Preparation > Professional > Professional

Customer Reviews

Scoring well on the General Chemistry portion of the DAT is important for admission into dental school. A A To achieve a high score, you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer. A A You must solve numerous practice questions that represent the style and content of the DAT questions. A A Understanding key science concepts is more valuable than memorizing terms. A A This book provides over 1,150 chemistry practice questions that test your knowledge of all DAT General Chemistry topics. A A At the back of the book, you will find answer keys (use them to verify your answers) and explanations to questions. A A A A These explanations provide step-by-step solutions for quantitative questions and detailed explanations for conceptual questions. A A A A This book covers the foundations of general chemistry topics needed to answer related questions on the test. A A By reading these explanations carefully and understanding how they apply to solving the question, you will learn

important chemistry concepts and the relationships between them. This will prepare you for the test and you will significantly increase your score. All the questions are prepared by our science editors who possess extensive credentials and are educated in top colleges and universities. Our editors are experts on teaching sciences, preparing students for standardized science tests and have coached thousands of undergraduate and graduate school applicants on admission strategies. Used books may have outdated content. We make content updates regularly based on customers' comments, editorial input and latest test changes. The most current version is only available directly from (sold & shipped by), Barnes & Noble and Sterling Test Prep web store.

Electronic and Atomic Structure of Matter; Periodic Table Atomic theory and atomic mass; atomic number and mass number Representative elements, transition elements Electron energy levels: atomic spectra, quantum numbers, atomic orbitals Periodic relationships and trends (atomic radii, ionization energies, electron affinities, oxidation states) Bonding Bonding properties and structures Ionic, covalent, metallic bonds Polarity of bonds, electronegativities Molecular geometry Intermolecular forces (hydrogen bonding, dipole-dipole, London dispersion forces) Molecular models: valence bond theory, hybridization of orbitals, resonance, sigma and pi bonds States of Matter: Gases, Liquids, Solids Dalton's, Boyle's and Charles's laws; ideal gas law Kinetic molecular theory of gases Molar volumes, density Types of solids, phase changes, phase diagrams Changes of state, critical phenomena, crystal structure Intermolecular forces Solution Chemistry Solution preparation, types of solutions, stoichiometry Molarity and percent by mass concentrations Solubility of solids, liquids and gases Precipitation and solubility rules Colligative properties; interionic attraction Acids and Bases Strong and weak acids and bases Brønsted-Lowry theory pH, titrations, indicators Oxidation-reduction reactions Stoichiometry Molar mass, Avogadro's number Empirical and molecular formulas Ionic and

molecular species present in chemical systems; net-ionic equations

Balancing of chemical equations

Stoichiometric calculations, percent yield, limiting reactants

Equilibrium and Reaction Rates

Equilibrium systems

LeChatelier's principle and position of equilibrium

Equilibrium constants, equilibrium expressions

Factors affecting reaction rates; rate constant; rate-determining step

Potential energy, activation energy

Thermodynamics and Thermochemistry

First law: heat of formation; heat of reaction; change in enthalpy, Hess's law; heat capacity; heats of vaporization and fusion

Second law: free energy of formation; free energy of reaction; dependence of change in free energy on enthalpy and entropy changes

Hess law; spontaneity

Chemical reactions, heating and cooling curves, entropy

Electrochemistry

Galvanic and electrolytic cells

Redox reactions (including half-reactions) within electrochemical cells

Standard reduction potentials, oxidation number

Answer Keys & Explanations

I focused my DAT prep on practicing questions and this book has a lot of general chemistry questions that cover all topics tested on the DAT. I think the questions are good quality and cover a variety of important concepts. I highly recommend to do your concepts review and use this book to practice solving the problems. In this way you will acquire/perfect your ability to apply your knowledge of the material.

The book is well written and the amount of material is great. I used the book to identify my strengths and weaknesses. I am much more familiar with the concepts and have increased my confidence. The volume of practice material is what my studying was missing. My friend took the DAT and he recommended the book. I'm glad that I took his advice and bought the book.

The questions were well written, I liked that the chapters allowed me to practice discrete topics covered on the DAT. I asked my chem instructor to review the book for me and he said the material looked solid. I spent the time to practice all the questions and I am really happy that I did. I feel much more prepared for the chem section of the DAT.

Not only does this book have questions dealing with calculations, it contains questions testing the concepts, which the recent DAT tests quite heavily. I think this book will be a good addition to the questions to solve after watching Chad's videos in addition to the online quizzes on coursesaver.com.

I took the DAT recently and got my results. I am very happy with my scores, and science in particular. I used these gen chem practice questions to focus my studying. I had been reviewing the content for the DAT and needed to take practice questions to flush out my understanding for strengths and weaknesses. Very valuable material here (along with their Biology/biochemistry book). Highly recommend these practice questions to be sure that you are ready for the types of questions on the DAT. The explanations helped me reinforce and distinguish between similar choices. These also helped for those questions that I had not been exposed to from my preparation of the topics.

The chemistry questions were very helpful for me to prepare for the DAT. I am glad that I used this book to prep for the exam. I told several of my friends about this book and suggested they use it to get ready for test day.

I really think this book helped me prepare for the chemistry section of the DAT. I used the questions to focus on my weaknesses. Very valuable preparation for the DAT. I took my roommate's advice about this book and happy with the results.

Questions in the book are very similar to the DAT. Excellent practice to get ready for test day. Explanations really helped me review the fundamentals and add to my understanding of the material. Great book for the edge on the DAT. Questions and explanations prepared me for the test. Many questions I reviewed here were those that I didn't even know would be helpful on the actual test - glad I bought this book and worked the problems.

[Download to continue reading...](#)

Sterling DAT General Chemistry Practice Questions: High Yield DAT General Chemistry Questions
Sterling DAT Biology Practice Questions: High Yield DAT Biology Questions Sterling Test Prep
CLEP Chemistry Practice Questions: High Yield CLEP Chemistry Questions Sterling Test Prep SAT
Chemistry Practice Questions: High Yield SAT Chemistry Questions with Detailed Explanations
Sterling Test Prep MCAT Organic Chemistry & Biochemistry Practice Questions: High Yield MCAT
Questions Sterling CLEP Biology Practice Questions: High Yield CLEP Biology Questions Sterling

SAT Biology E/M Practice Questions: High Yield SAT Biology E/M Questions Sterling AP Biology Practice Questions: High Yield AP Biology Questions Sterling Test Prep GRE Physics Practice Questions: High Yield GRE Physics Questions with Detailed Explanations High-Yield Embryology (High-Yield Series) By Ronald W. Dudek: High-Yield Embryology (High-Yield Series) Fourth (4th) Edition High-yield Neuroanatomy (High-yield Series) 4th (fourth) Edition by James D. Fix, Jennifer Brueckner published by Lippincott Williams and Wilkins (2008) By James D. Fix: High-Yield Neuroanatomy (High-Yield Series) Third (3rd) Edition Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Eat Dat New Orleans: A Guide to the Unique Food Culture of the Crescent City (Up-Dat-ed Edition) Dental Admission Test (DAT) Computerized Sample Tests and Guide, TopScore Pro for the DAT Kaplan DAT 2009-2010 Edition (Kaplan Dat (Dental Admission Test)) High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) Sterling Bar Exam Review MBE Essentials: Governing Law Outlines (Sterling Test Prep) High-Yield Neuroanatomy (High-Yield Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)