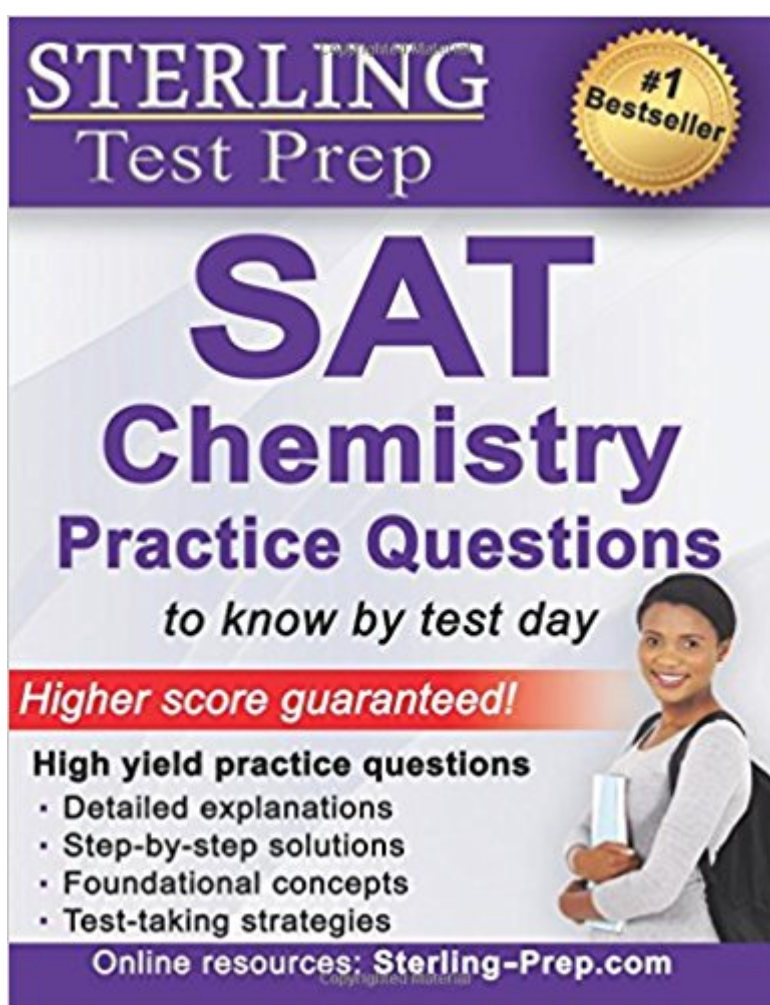


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# Sterling Test Prep SAT Chemistry Practice Questions: High Yield SAT Chemistry Questions With Detailed Explanations



## Synopsis

Recommended by teachers. Trusted by

students.-----NEW RE-PUBLISHED EDITION with complete detailed explanations.SAT Chemistry bestseller! Get better score!High yield chemistry practice questions with detailed explanations and step-by-step solutions. Covers all topics tested on SAT Chemistry:Â Â Electronic and atomic structure of matterÂ Â Periodic tableÂ Â Chemical bondingÂ Â States of matter: gases, liquids, solidsÂ Â Solution chemistryÂ Â Acids and basesÂ Â StoichiometryÂ Â Equilibrium and reaction ratesÂ Â ThermochemistryÂ Â

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## Customer Reviews

Recommended by teachers. Trusted by students.-----Scoring

well on the SAT Chemistry is important for admission into college.Â To achieve a high score,you need to develop skills to properly apply the knowledge you have and quickly choose the correct answer.Â You must solve numerous practice questions that represent the style and content of the SAT questions.Â Understanding key science concepts is more valuable than memorizing terms.Â This book provides 960 practice questions that test your knowledge of all SAT Chemistry topics.Â All questions are multiple 5-choice questions - like the actual SAT Chemistry subject test.Â The explanations provide step-by-step solutions for quantitative questions and detailed explanations for conceptual questions.Â They also cover the foundations of important chemistry topics needed to answer related questions on the exam.Â 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 at 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 Used books may have outdated content.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.

About SAT Chemistry Test  
Test-Taking Strategies for SAT Chemistry  
Common Chemistry Equations  
Periodic Table of the Elements  
How to Use This Book  
SAT Chemistry Diagnostic Tests  
1-4  
Electronic and Atomic Structure of Matter; Periodic Table  
Experimental evidence of atomic structure  
Quantum numbers and energy levels (orbitals)  
Electron configurations, periodic trends  
Molecular structure (Lewis structures, three-dimensional molecular shapes, polarity)  
Chemical and physical properties of the elements  
Bonding  
Ionic, covalent, metallic bonds  
Bonding properties and structures  
Intermolecular forces (hydrogen bonding, dipole-dipole, London dispersion forces)  
States of Matter: Gases, Liquids, Solids  
Kinetic molecular theory  
Gas law relationships  
Molar volumes, density  
Intermolecular forces in liquids and solids  
Types of solids, phase changes, phase diagrams  
Solution Chemistry  
Molarity and percent by mass concentrations  
Solution preparation and stoichiometry  
Factors affecting solubility of solids, liquids and gases  
Qualitative aspects of colligative properties  
Precipitation and basic solubility rules  
Acids and Bases  
Bronsted-Lowry theory  
Strong and weak acids and bases  
pH, titrations, indicators  
Oxidation-reduction reactions  
Stoichiometry  
Mole concept (molar mass, Avogadro's number, empirical and molecular formulas)  
Balancing of chemical equations  
Stoichiometric calculations, percent yield, limiting reactants  
Equilibrium and Reaction Rates  
Equilibrium systems  
Le Chatelier's principle and position of equilibrium (gaseous and aqueous systems)  
Equilibrium constants, equilibrium expressions  
Factors affecting reaction rates  
Potential energy diagrams, activation energies  
Thermochemistry  
Conservation of energy  
Calorimetry and specific heats  
Enthalpy changes and phase changes  
Chemical reactions,

heating and cooling curves, entropy

## Answer Keys & Explanations

This is a wonderful review tool for the SAT Chemistry Subject Test. It covers nearly all the material that could pop up on the test, often including questions quite a bit more difficult than what actually made it on the one I took. Either way, very well written, lots of practice, great customer service. One important note is that while most advanced questions have detailed answer explanations, this book will not teach you Chemistry from scratch. It serves to refresh the memory and possibly introduce a few concepts, but you must know the basics. In the end, I highly recommended this study tool as a definite score booster!

My daughter really likes this book. Her teacher told me about Sterling Prep. I bought several prep titles from them and my daughter is using the books (which is nice to see) and she says that she likes studying from them. She is more confident with the material and better prepared for class. The explanations seem to be very helpful to her. The paper is good quality and overall, the books seem to have great content and are written well. The material seems very high quality and targeted to the audience. She definitely is getting good use of the books and I am happy that I discovered these books. Great value for my daughter's preparation for class and the exam.

I learned how to solve SAT chemistry questions from solving the problems and then reading the explanations. Explanations were detailed and complete. I really improved my score and understanding of chemistry concepts. Book is the same content as the SAT chemistry subject test. Great book in chemistry to prepare for the test. Thanks to my teacher I learned about this book and the SAT physics book from Sterling Test.

solid practice chemistry questions. Definitely a booster for SAT chemistry. Similar to the questions on the exam. I was prepared and it showed.

Great book and covers the concepts in details and easy to understand the explanations.

very good book for SAT chemistry.

I am using the AP physics 2 book from Sterling. Both books are great because they have detailed explanations. Practicing problems is the key to learning both chemistry and physics. Here I am getting

the practice that I need. Explanations are packed with very valuable information. I like the number and variety of topics. The chapters are great to practice discrete concepts which I have been using along with my class.

Great source of practice problems for chemistry. Explanation really make the learning easier. Glad my friend told me about this book. Give it a try and I'm glad I did. Chemistry is more understandable now.

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