

Chapter 25 Nuclear Chemistry Practice Test

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ____ 1. What does the 4 in ${}^4_2\text{He}$ represent?
- the mass number
 - the atomic number
 - the number of protons
 - the number of neutrons
- ____ 2. What does the 101 in ${}^{256}_{101}\text{Md}$ represent?
- the mass number
 - the atomic number
 - the nuclide number
 - the number of neutrons
- ____ 3. Balance the following equation: ${}^{226}_{88}\text{Rn} \rightarrow {}^{226}_{86}\text{Rn} + \text{_____}$
- ${}^4_2\text{He}$
 - 1_0e
 - ${}^1_1\text{H}$
 - ${}^0_{-1}e$
- ____ 4. Balance the following equation: ${}^{239}_{93}\text{Np} \rightarrow \text{_____} + {}^0_{-1}e$
- ${}^{239}_{90}\text{Th}$
 - ${}^{239}_{92}\text{U}$
 - ${}^{239}_{94}\text{Pu}$
 - ${}^{239}_{94}\text{Pa}$
- ____ 5. The spontaneous disintegration of a nucleus into a slightly lighter and more stable nucleus, accompanied by emission of particles, electromagnetic radiation, or both, is
- nuclear fusion.
 - nuclear radiation.
 - radioactive decay.
 - nuclear fission.
- ____ 6. Which of the following forms of radiation has the greatest penetrating power?
- alpha particles
 - beta particles
 - gamma rays
 - positrons
- ____ 7. Alpha particles are
- electrons.
 - helium nuclei.
 - electromagnetic waves.
 - neutrons.
- ____ 8. Beta particles are
- electrons.
 - helium nuclei.
 - electromagnetic waves.
 - neutrons.
- ____ 9. Which of the illustrations below represents a fission reaction?

Chapter 25 3 Nuclear Chemistry Answers

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Prentice Hall Chemistry, 2000 *Instructor's Manual, General Chemistry, Second Edition* Becker, Ralph Sherman
Becker, 1980 *Chemistry* McGraw-Hill Staff, 2001-03 **Study Guide and Partial Solutions Manual, Fundamentals of General, Organic, and Biological Chemistry** Susan McMurry, 1996 This internationally acclaimed detective series is just the thing for lovers of those Number One Ladies looking for a darker more realistic view of Botswana Sue Baker Publishing News OAT 2017-2018 Strategies, Practice & Review with 2 Practice Tests Kaplan Test Prep, 2016-10-04 Issued with 16 pages of detachable study sheets and access to two full length practice tests **Chemistry: Matter & Change, Solving Problems - A Chemistry Handbook** McGraw Hill, 2001-08 Glencoe Chemistry Solving Problems A Chemistry Handbook Matter and Change DAT 2017-2018 Strategies, Practice & Review with 2 Practice Tests Kaplan Test Prep, 2016-10-04 2 full length online practice tests Cover General College Chemistry Charles William Keenan, Donald C. Kleinfelter, Jesse Hermon Wood, 1980 **Chemistry** Charles E. Mortimer, 1983 Good No Highlights No Markup all pages are intact Slight Shelfwear may have the corners slightly dented may have slight color changes slightly damaged spine General Chemistry Wismer, 1997 *General Chemistry with Qualitative Analysis* Ralph H. Petrucci, Robert K. Wismer, 1987 **Study Guide and Solutions Manual, Fundamentals of General, Organic, and Biological Chemistry, Third Edition** John McMurry, Susan McMurry, 1999 Provides worked out solutions to text problems along with chapter by chapter outlines and a variety of self tests at the end of each chapter **Organic Chemistry** Norman L. Allinger, 1971 DAT Prep Plus 2023-2024 Kaplan Test Prep, 2023-02-07 Kaplan's DAT Prep Plus 2023 2024 provides the test taking strategies realistic practice and expert guidance you need to score higher on the Dental Admissions Test Our comprehensive subject review reflects recent changes to the blueprint of the exam question types and test interface You'll get two full length practice DATs and expert tips to help you face Test Day with confidence We're so confident that DAT Prep Plus offers all the knowledge you need to excel at the DAT that we guarantee it after studying with our online resources and book you'll score higher on the DAT or you'll get your money back The Best Review Two updated full length online practice exams for test like practice Study planning guidance More than 600 practice questions for every subject with detailed answers and explanations 12 page full color study sheets for high yield review on the go A guide to the current DAT Blueprint so you know exactly what to expect on Test Day Comprehensive review of all of the content covered on the DAT Expert Guidance Our books and practice questions are written by veteran teachers who know students every explanation is written to help you learn Kaplan's experts ensure our practice questions and study materials are true to the test We invented test prep Kaplan www.kaptest.com has been helping students for 80 years and our proven strategies have helped legions of students achieve their dreams Publisher's Note Products purchased from 3rd party sellers are not guaranteed by the publisher for quality authenticity or access to any online entities included with the product Organic Chemistry Stanislaw Skonieczny, George H. Schmid, 1996 **Study**

Guide and Solutions Manual for Seager/Slabaugh's Chemistry for Today Seager/Slabaugh, 2004 The fifth edition of the Study Guide and Student Solutions Manual has been updated to reflect all of the changes to the text This ancillary tests the student on the learning objectives in each chapter and provides answers to all of the even numbered end of chapter exercises New additional activities have been added to include a review of each section of the chapter and a section entitled Tying It All Together with a Laboratory Application

Study Guide and Solutions Manual for McMurry's Organic Chemistry, Fifth Edition Susan McMurry, 2000 Provides answers and explanations to all in text and end of chapter exercises Also includes summaries of name reactions functional group synthesis and reactions lists of reagents and abbreviations and articles on topics ranging from infrared absorption frequencies to the Nobel Prize winners in Chemistry This edition now includes all new artwork expanded in text problems summary quizzes approximately every three chapters more detailed explanations in solutions and chapter outlines

OAT Prep Plus 2019-2020 Kaplan Test Prep, 2018-12-04 Kaplan's OAT Prep Plus 2019 2020 provides the test taking strategies realistic practice and expert guidance you need to get the OAT results you want Our comprehensive updated subject review reflects recent changes to the blueprint of the exam question types and test interface You'll get two full length practice OATs and expert tips to help you face Test Day with confidence The Best Review Two updated full length online practice exams for test like practice Study planning guidance More than 600 practice questions for every subject with detailed answers and explanations Full color study sheets for high yield review on the go A guide to the current OAT Blueprint so you know exactly what to expect on Test Day Comprehensive review of all of the content covered on the OAT Expert Guidance Our books and practice questions are written by veteran teachers who know students every explanation is written to help you learn Kaplan's experts ensure our practice questions and study materials are true to the test We invented test prep Kaplan www.kaptest.com has been helping students for 80 years and our proven strategies have helped legions of students achieve their dreams The previous edition of this book was titled OAT 2017 2018 Strategies Practice Review

DAT Prep Plus 2019-2020 Kaplan Test Prep, 2019-01-01 Kaplan's DAT Prep Plus 2019 2020 provides the test taking strategies realistic practice and expert guidance you need to score higher on the Dental Admissions Test Our comprehensive updated subject review reflects recent changes to the blueprint of the exam question types and test interface You'll get two full length practice DATs and expert tips to help you face Test Day with confidence The Best Review Two updated full length online practice exams for test like practice Study planning guidance More than 600 practice questions for every subject with detailed answers and explanations Full color study sheets for high yield review A guide to the current DAT Blueprint so you know exactly what to expect on Test Day Comprehensive review of all of the content covered on the DAT Expert Guidance Our books and practice questions are written by veteran teachers who know students every explanation is written to help you learn Kaplan's experts ensure our practice questions and study materials are true to the test We invented test prep Kaplan www.kaptest.com has been helping students for 80 years and our proven strategies

have helped legions of students achieve their dreams The previous edition of this book was titled DAT 2017 2018 Strategies Practice Review Oswaal JEE (Advanced) 22 Years' Solved Papers (2002 - 2023) Chemistry Book (For 2024 Exam) Oswaal Editorial Board,2023-06-27 Description of the product 100% Updated with Fully Solved 2023 Papers 1 2 Extensive Practice with 900 Questions of Previous Years 1 Practice Paper each of Paper 1 2 Crisp Revision with Smart Mind Maps Mnemonics Appendix Valuable Exam Insights with Expert Tips Tricks and Shortcuts to Crack JEE Advanced Concept Clarity with Extensive Explanations of previous years papers 100% Exam Readiness with Chapter wise Analysis 2017 2023

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