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of neutrons, periodic table, nucleon number, protons, neutrons, electrons, and valence electrons.

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is set out in the context of materials science and engineering. In addition, its references to key research outcomes based upon the training program held at the University of Rouen—one of the leading scientific research centers exploring the various aspects of the instrument—will further enhance understanding and the learning process. Provides an introduction to the capabilities and limitations of atom probe tomography when analyzing materials Written for both experienced researchers and new users Includes exercises, along with corrections, for users to practice the techniques discussed Contains coverage of more advanced and less widespread techniques, such as correlative APT and STEM microscopy

Staging Contemplation Apr 07 2021 What does it mean to contemplate? In the Middle Ages, more than merely thinking with intensity, it was a religious practice entailing utter receptiveness to the divine presence. Contemplation is widely considered by scholars today to have been the highest form of devotional prayer, a rarified means of experiencing God practiced only by the most devout of monks, nuns, and mystics. Yet, in this groundbreaking new book, Eleanor Johnson argues instead for the pervasiveness and accessibility of contemplative works to medieval audiences. By drawing together ostensibly diverse literary genres—devotional prose, allegorical poetry, cycle dramas, and morality plays—Staging Contemplation paints late Middle English contemplative writing as a broad genre that operated collectively and experientially as much as through radical individual disengagement from the world. Johnson further argues that the contemplative genre played a crucial role in the exploration of the English vernacular as a literary and theological language in the fifteenth century, tracing how these works engaged modes of disfluency—from strained syntax and aberrant grammar, to puns, slang, code-switching, and laughter—to explore the limits, norms, and potential of English as a devotional language. Full of virtuoso

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how poetic language can foster a participatory experience of likeness to God among lay and devotional audiences alike.

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DPP Chemistry Vol-1 Jul 10 2021 JEE Main and Advanced is a matter of well-preparation with proper strategy and daily planning to achieve the right state of mind to be able to tackle any questions asked in the exam. Daily Practice Problems (DPP), a set of 26 books with a unique blend of contents, designed to set the tone for the daily practice of questions from the entire syllabus of PCM for JEE Main and Advanced has been a highly competent source among IIT JEE aspirants for a long time. The present edition of DPP for Atomic Structure & Chemical Bonding Chemistry Vol-I aims to drive daily practice for mastering the concepts of topics from Structure of Atom, Redox Reactions, Chemical Bonding and Stoichiometry. Each of these sections is coupled with Revisal Problems, JEE Main and AIEEE Archive, and JEE Advanced and IIT JEE Archive for quick revision and to get the real feel of examination. Moreover, each DPP also accompanies their well-explained solution for self-evaluation. Well- structured with performance-driven resources, it is hoped that this book will maximize the chances of success in JEE Main

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(MCQs) Sep 19 2019 "Previously published as [A Level Chemistry MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys)] by [Arshad Iqbal]."

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to the field of crystallography are of utmost significance and bound to provide incredible insights to readers. It is compiled in such a manner, that it will provide an in-depth knowledge about the theory and practice of crystallography. In this book, constant effort has been made to make the understanding of difficult concepts related to the field of crystallography as easy and informative as possible, for the readers.

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Chemistry for Kids, the Atomic Structure Oct 01 2020 This book is meant for students grades 6 and higher. It addresses concepts that are critical to the understanding of the inner structure of the atom, which lays the foundation for appreciating how elements behave in chemical reactions. The text has been integrated with colorful images that help engage the visual with the conceptual. No prerequisites are necessary. The book is suitable for the beginner who has not studied chemistry before, and for the student who wants to clarify questions for review purposes. A couple of mathematical chapters were also infused into the book to support younger learners with the necessary mathematical background to succeed. To get the most from this book, students should summarize each chapter and rehearse the concepts. Attempting to work independently through all problems at the end of the book is beneficial only before reading the solutions. When solving problems, one can be sure the chemical principles presented were well understood. Restricting oneself to only reading is incomplete learning. The series walks learners gradually and conceptually through the chemical and particle physics theories that are meant to jumpstart a more profound scientific understanding. Topics covered in this volume: Subatomic Particle, Atomic Mass, Period Table of Elements, Atomic Number, Isotope and Ion Notations, Atomic Weight, The Mole, Molar Mass, Exponents, The Rule of Three, Practice problems and easy to follow solutions.

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