

Chemquest 20 Ionic Bonding Advanced

Chemical Bonding for JEE Main & Advanced, NEET 2nd Edition
Oswaal JEE Advance 10 Mock Test Papers (Paper-1 & Paper-2) Physics, Chemistry, Mathematics (For 2023 Exam)
Oswaal JEE Advance 10 Mock Test Papers (Paper-1 & Paper-2) Physics, Chemistry, Mathematics (For 2024 Exam)
Ausubel's Meaningful Learning in Action
Innovative Physical Chemistry Perspectives
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the thoroughly revised updated 2nd edition of the book on chemical bonding is designed especially in accordance with latest competitive trends the book has been updated with the past questions of neet jee main jee advanced a new chapter entitled hydrolysis of covalent compounds has been added based on student s high demand the salient features of the book are as follows a moderately concise and compact book covering all topics from a z bent rule with latest amendments and drago s rule physical properties of ionic covalent compounds with detailed explanation increasing and decreasing order of lattice energy hydration energy polarization and effect of these on physical properties has been done comparatively simple language to make it useful even to average and weak students logical and evolutionary approach in descriptions for better imagination and visualization large no of solved examples illustrations and objective type questions miscellaneous practice problems as final challenge

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american psychologist and psychiatrist david ausubel is well known for his famous quote the most important single factor influencing learning is what the learner already knows ascertain this and teach him accordingly ausubel 1968 vi but few know about the richness and importance of his assimilation theory of meaningful learning and retention which holds many more instruction altering insights one of the main reasons why this theory is so important is because it focuses on the end goal teachers are after teachers don t want students to memorise distinct ideas teachers want students to develop vast bodies of knowledge in the subjects they are taught ausubel explains that the only way to

achieve this is through supporting students to learn meaningfully this book explores the key elements of the theory and what it means to learn meaningfully it then links the theory to highly practical implications teachers can use day to day in all aspects of their teaching

innovative physical chemistry perspectives offers a refreshing take on traditional concepts in physical chemistry presenting them through innovative approaches modern applications and interdisciplinary insights authored by experts this comprehensive volume explores fundamental principles and cutting edge research topics inviting readers to engage with the dynamic and evolving landscape of physical chemistry each chapter delves into specific aspects providing in depth discussions theoretical foundations and practical examples from nanochemistry and biomolecular interactions to quantum mechanics and statistical mechanics we cover a wide range of topics highlighting the interconnectedness of various subfields and their relevance to real world phenomena through clear explanations illustrative examples and thought provoking discussions innovative physical chemistry perspectives aims to inspire curiosity critical thinking and a deeper appreciation for the complexities of matter and energy at the molecular level whether you re a student researcher or enthusiast in the field this book serves as a valuable resource for expanding your knowledge and understanding with its emphasis on modern perspectives interdisciplinary approaches and practical applications innovative physical chemistry perspectives is set to become an essential reference for anyone seeking to explore physical chemistry from new and exciting angles

crystallography is the experimental science of determining the structure of materials and the three dimensional arrangement of atoms in molecules this book systematically covers the basics of crystal structure and their organization all chapters have been amply illustrated to enable ease of understanding of this highly complex subject to appreciate the use of crystallography in determining the three dimensional crystal structure of molecules the x-ray diffraction programme with relevant plotting routine has been elaborately dealt with solved examples and exercises provided would be helpful to the students to have a good understanding of this subject

bringing together a wide collection of ideas reviews analyses and new research on particulate and structural concepts of matter concepts of matter in science education informs practice from pre school through graduate school learning and teaching and aims to inspire progress in science education the expert contributors offer a range of reviews and critical analyses of related literature and in depth analysis of specific issues as well as new research among the themes covered are learning progressions for teaching a particle model of matter the mental

models of both students and teachers of the particulate nature of matter educational technology chemical reactions and chemical phenomena chemical structure and bonding quantum chemistry and the history and philosophy of science relating to the particulate nature of matter the book will benefit a wide audience including classroom practitioners and student teachers at every educational level teacher educators and researchers in science education if gaining the precise meaning in particulate terms of what is solid what is liquid and that air is a gas were that simple we would not be confronted with another book which while suggesting new approaches to teaching these topics confirms they are still very difficult for students to learn peter fensham emeritus professor monash university adjunct professor qut from the foreword to this book

selected peer reviewed papers from the 2013 international forum on powder technology and application ifpta 2013 october 27 29 2013 shenyang china

this book discusses issues surrounding a teacher implemented a writing across the curriculum program designed to improve students rhetorical and writing skills in physical science particularly chemistry it contains practical material such as suggested assignments and strategies that can be put into practice immediately to use writing effectively a comprehensive reference tool the advice offered in this book applies to courses throughout the entire chemistry curriculum including graduate education other coverage discusses designing grading and responding to writing assignments for instructors who are considering or already offering such programs this book is a rich resource of clear step by step suggestions

this unique book is published at the occasion of the 80th birthday of b e paton director of the e o paton electric welding institute in kiev one of the outstanding scientists working in the area of welding ndt and materials science the book almost 700 pages contains detailed studies written by leading ukrainian russian and foreign scientists dealing with the most important results of materials science welding metallurgy and engineering with predictions for the development of these sciences in the 21st century the book contains a large number of new experimental results and will be of considerable interest to everybody working in materials science welding ndt metallurgy etc welding processes and technologies problems of welding high strength low alloy steels weld ability of modern high strength steels the prospects and problems of materials science in the development of materials and welding technologies in construction of unique ice resistant platforms solid

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