

Introductory Chemistry A Foundation 8th Edition

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foundations of chemistry a foundation level guide to chemistry for physical life sciences and engineering students foundations of chemistry an introductory course for science students fills a gap in the literature to provide a basic chemistry text aimed at physical sciences life sciences and engineering students the authors noted experts on the topic offer concise explanations of chemistry theory and the principles that are typically reviewed in most one year foundation chemistry courses and first year degree level chemistry courses for non chemists the authors also include illustrative examples and information on the most recent applications in the field foundations of chemistry is an important text that outlines the basic

principles in each area of chemistry physical inorganic and organic building on prior knowledge to quickly expand and develop a student's knowledge and understanding key features include worked examples showcase core concepts and practice questions margin comments signpost students to knowledge covered elsewhere and are used to highlight key learning objectives chapter summaries list the main concepts and learning points

the target science books are aimed at the average below average student studying for public examinations at age 16 or above the text is organized in double page spreads and designed to be as accessible as possible there is a much higher proportion of open space used to help lower ability students the reading level has been closely controlled and the amount of text restricted glossaries of new terms are provided at the end of each chapter and examination style questions are included

the perfect way to prepare for exams build problem solving skills and get the grade you want this study guide includes chapter discussions key term definitions and practice chapter tests important notice media content referenced within the product description or the product text may not be available in the ebook version

chemistry is a subject that has the power to engage and enthuse students but also to mystify and confound them effective chemistry teaching requires a strong foundation of subject knowledge and the ability to transform this into teachable content which is meaningful for students drawing on pedagogical principles and research into the difficulties that many students have when studying chemical concepts this essential text presents the core ideas of chemistry to support new and trainee chemistry teachers including non specialists the book focuses on the foundational ideas that are fundamental to and link topics across the discipline of chemistry and considers how these often complex notions can be effectively presented to students without compromising on scientific authenticity chapters cover the nature of chemistry as a science the chemistry triplet substances and purity in chemistry the periodic table energy in chemistry and chemical bonding contextualising and integrating chemical knowledge whilst there are a good many books describing chemistry and many others that offer general pedagogic guidance on teaching science foundations for teaching chemistry provides accounts of core chemical topics from a teaching perspective and offers new and experienced teachers support in developing their own chemical knowledge for teaching

this text is an unbound three hole punched version used by over 750 000 students foundations of college chemistry binder ready version 15th edition is praised for its accuracy clear no nonsense approach and direct writing style foundations direct and straightforward explanations focus on problem solving making it the most dependable text on the market its comprehensive scope proven track record outstanding in text examples and problem sets were all designed to provide instructors with a solid text while not overwhelming students in a difficult course foundations fits into the prep intro chemistry courses which often include a wide mix of students from science majors not yet ready for general chemistry allied health students in

their 1st semester of a gob sequence science education students for elementary school teachers to the occasional liberal arts student fulfilling a science requirement foundations was specifically designed to meet this wide array of needs

student unit guides are perfect for revision each guide is written by an examiner and explains the unit requirements summarises the relevant unit content and includes a series of specimen questions and answers there are three sections to each guide introduction includes advice on how to use the guide an explanation of the skills being tested by the assessment objectives an outline of the unit or module and depending on the unit suggestions for how to revise effectively and prepare for the examination questions content guidance provides an examiner s overview of the module s key terms and concepts and identifies opportunities to exhibit the skills required by the unit it is designed to help students to structure their revision and make them aware of the concepts they need to understand the exam and how they might analyse and evaluate topics question and answers sample questions and with graded answers which have been carefully written to reflect the style of the unit all responses are accompanied by commentaries which highlight their respective strengths and weaknesses giving students an insight into the mind of the examiner

science foundations is a new series for students of foundation tier gcse science the series takes the form of three students texts biology chemistry and physics and associated teacher s materials the layout and language level of the texts have been carefully controlled to ensure that the science is presented in an accessible and appealing way the texts follow a full colour double page spread format with questions punctuating each page each spread concludes with a summary passage of the key ideas imparted in that spread the texts support all coordinated science syllabuses as well as the neab modular syllabus

a good way to prepare for your exam is to practise solving exam style questions this book provides a comprehensive range of chemistry problems at a foundation level especially formulated to familiarise the student with exam questions although the book is based on the as level specification uk it can be used by anyone studying foundation chemistry the book covers the following topics atomic structure amount of substance bonding periodicity introduction to organic chemistry and alkanes

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