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2013-06-29

this second extended and updated edition presents the current state of kinetics of chemical reactions combining basic knowledge with results recently obtained at the frontier of science special attention is paid to the problem of the chemical reaction complexity with theoretical and methodological concepts illustrated throughout by numerous examples taken from heterogeneous catalysis combustion and enzyme processes of great interest to graduate students in both chemistry and chemical engineering

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2014-03-12

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1969

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1927

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2019-04-29

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Chemistry

2000-09-21

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1971

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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

Index

2014-03-12

about the book this book the language of chemistry is self introducing as chemistry comes more often in symbols and structures chemical symbols and structures are the language of chemistry this is akin to what scientists say of mathematics that it is the language of science in symbolic forms in this book the author present chemistry in a simple way as a web of ideas and tries to remove some hidden barriers in order to reach proper understanding of some important concepts in the subject such concept like oxidation number mole concept iupac nomenclature writing and balancing of chemical equations and many more it can therefore be seen as a book of ideas the strong and stimulating ideas which underlie chemistry in this era when there is dwindling interest among students to study science particularly chemistry all ideas in chemistry are more practical than theoretical even when a chemical idea is presented in a theoretical way the end result is in the laboratory where ideas are converted to reality in the same way the language of chemistry in this book is the language of the laboratory the dwindling fortune in the sciences in developing countries is because less emphasis is laid on practical aspects when compared to the theoretical aspects the usefulness of a book which contains scientific ideas can only be judged by results in this book is a list of some hundreds of balanced chemical equations as well as chemical formulas with their iupac nomenclatures it also contain names of chemical elements with their properties date of discovery name of discoverer and some interesting facts about them this book would be most useful to the following categories of people 1 the science teachers who wish to keep abreast with developments in the field 2 the science students at secondary schools and higher institutions 3 researchers in chemistry and related fields 4 those who believe in being practical i recommend this book for both beginners and those who have had some experience in chemistry to the beginner the book can delight the mind to the experienced it can fire the mind the ideas in this book are therefore not just for people wanting to pass one examination or the other but for those who want to use chemistry as a career and a hobby i do see people write reading as a hobby but what they read is often left back stage this book offers the opportunity to include the language of chemistry in that list the book is timely it has come at a point when there is emphasis on the teaching and learning of science at all levels to catalyze development i recommend the book to all those who do not mind the english of chemistry but the language of it

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2024-04-08

chemistry the molecular nature of matter 8th edition continues to focus on the intimate relationship between structure at the atomic molecular level and the observable macroscopic properties of matter key revisions focus on three areas the deliberate inclusion of more and updated real world examples to provide students with a significant relationship of their experiences with the science of chemistry simultaneously examples and questions have been updated to align them with career concepts relevant to the environmental engineering biological pharmaceutical and medical sciences providing students with transferable skills with a focus on integrating metacognition and three dimensional learning into the text when students know what they know they are better able to learn and incorporate the material providing a total solution through wileyplus with online assessment answer specific responses and additional practice resources the 8th edition continues to emphasize the importance of applying concepts to problem solving to achieve high level learning and increase retention of chemistry knowledge problems are arranged in a confidence building order

Chemistry

1998-08

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1975

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Chemistry

1997

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2016-08-02

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2014-04-18

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1970

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2016-01-01

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2021-11-02

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