

General Chemistry



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出版者:Prentice Hall

出版时间:2009-02-22

装帧:Hardcover

isbn:9780321571632

KEY BENEFIT : This is the first mainstream general chemistry book to be written with an atoms-first approach, offering the same lucid character and conceptual emphasis that readers have come to expect from these authors. The atoms-first organization progresses from the simplest building blocks to successively more complex concepts, enabling the authors to tell a cohesive story about chemistry that follows an intuitive logic. This unified thread of ideas helps readers build a better foundation and ultimately gain a deeper understanding of chemical concepts. Readers can more easily understand the micro-to-macro connections between unobservable atoms and the observable behavior of matter in daily life, and are brought immediately into real chemistry—instead of being forced to first spend time with arithmetic.

Chemistry: Matter and Measurement; The Structure and Stability of Atoms; Periodicity and the Electronic Structure of Atoms; Ionic Bonds and Some Main-Group Chemistry; Covalent Bonds and Molecular Structure; Mass Relationships in Chemical Reactions; Reactions in Aqueous Solution; Thermochemistry: Chemical Energy; Gases: Their Properties and Behavior; Liquids, Solids, and Phase Changes; Solutions and Their Properties; Chemical Kinetics; Chemical Equilibrium; Aqueous Equilibria: Acids and Bases; Applications of Aqueous Equilibria; Thermodynamics: Entropy, Free Energy, and

Equilibrium; Electrochemistry; Hydrogen, Oxygen, and Water; The Main- Group Elements;

Transition Elements and Coordination Chemistry; Metals and Solid – State Materials; Organic Chemistry.

MARKET : A comprehensive reference for anyone who needs to learn more about general chemistry.

作者介绍:

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