

1. Record Nr.	UNINA9910682569603321
Autore	Mosher Michael D.
Titolo	An Introduction to Chemistry [[electronic resource] /] / by Michael Mosher, Paul Kelter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-030-90267-6
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (XIX, 1067 p. 1326 illus., 866 illus. in color.)
Disciplina	540
Soggetti	Chemistry Chemistry—Study and teaching Physical chemistry Chemistry, Physical and theoretical Chemistry, Organic Inorganic chemistry Chemistry Education Physical Chemistry Theoretical Chemistry Organic Chemistry Inorganic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The World of Chemistry -- Atoms: A Quest for Understanding -- Intro Quant Chemistry -- Soln Stoich and Types -- Energy -- Quantum Chem -- Elements -- Bonding Basics -- Adv Models of Bonding -- Gases -- Liquids, Solids, and InterMolecular Forces -- Solutions and Properties -- Kinetics -- Chemical Equilibrium -- Acids and Bases -- Aqueous Equilibria -- Thermodynamics -- Electrochemistry -- Coordination Complexes -- Nuclear Chemistry -- Carbon -- Chemistry of Life -- Industrial Chemistry.
Sommario/riassunto	This textbook is written to thoroughly cover the topic of introductory chemistry in detail—with specific references to examples of topics in common or everyday life. It provides a major overview of topics

typically found in first-year chemistry courses in the USA. The textbook is written in a conversational question-based format with a well-defined problem solving strategy and presented in a way to encourage readers to “think like a chemist” and to “think outside of the box.” Numerous examples are presented in every chapter to aid students and provide helpful self-learning tools. The topics are arranged throughout the textbook in a "traditional approach" to the subject with the primary audience being undergraduate students and advanced high school students of chemistry.
