

1. Record Nr.	UNINA9910254149603321
Autore	Vogt Jochen
Titolo	Exam Survival Guide: Physical Chemistry // by Jochen Vogt
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-49810-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIII, 382 p. 137 illus., 133 illus. in color.)
Disciplina	541.076
Soggetti	Physical chemistry Thermodynamics Spectroscopy Electrochemistry Physical Chemistry Spectroscopy/Spectrometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Quantitative problem solving in Physical Chemistry.- Stoichiometry and Chemical Reactions -- Changes of State.- Thermochemistry.- Chemical Equilibrium -- Kinetic theory -- Electrochemistry -- Quantum Mechanics and Atomic Structure -- Spectroscopy -- Appendix: Periodic Table of the Elements, Physical Constants, Mathematical Formulary.
Sommario/riassunto	A text- and exercise book for physical chemistry students! This book deals with the fundamental aspects of physical chemistry taught at the undergraduate level in chemistry and the engineering sciences in a compact and practice-oriented form. Numerous problems and detailed solutions offer the possibility of an in-depth reflection of topics like chemical thermodynamics and kinetics, atomic structure and spectroscopy. Every chapter starts with a recapitulation of important background information, before leading over to representative exercises and problems. Detailed descriptions systematically present and explain the solutions to the problems, so that readers can carefully check their own solutions and get clear-cut introductions on how to approach similar problems systematically. The book addresses students at the (upper) undergraduate level, as well as tutors and

teachers. It is a rich source of exercises for exam preparation and can be used alongside classical textbooks. Furthermore it can serve teachers and tutors for the conception of their lessons. Its well-thought-through presentation, structure and design make the book appeal to everybody who wants to succeed with the physical chemistry lessons and exercises. .
