

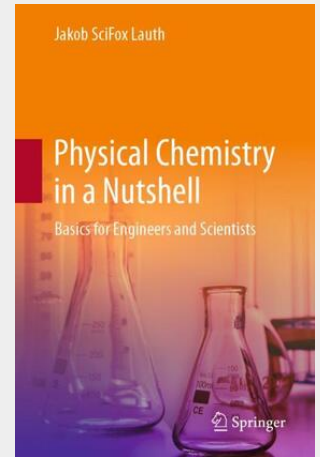
Lauth

## Physical Chemistry in a Nutshell

Basics for Engineers and Scientists

This book is based on a multimedia course for biological and chemical engineers, which is designed to trigger students' curiosity and initiative. A solid basic knowledge of thermodynamics and kinetics is necessary for understanding many technical, chemical, and biological processes. The one-semester basic lecture course was divided into 12 workshops (chapters). Each chapter covers a practically relevant area of physical chemistry and contains the following didactic elements that make this book particularly exciting and understandable: - Links to Videos at the start of each chapter as preparation for the workshop - Key terms (in bold) for further research of your own - Comprehension questions and calculation exercises with solutions as learning checks - Key illustrations as simple, easy-to-replicate blackboard pictures Humorous cartoons for each workshop (by Faelis) additionally lighten up the text and facilitate the learning process as a mnemonic. To round out the book, the appendix includes a summary of the most popular experiments in basic physical chemistry courses, as well as suggestions for designing workshops with exhibits, experiments, and "questions of the day." Suitable for students minoring in chemistry; chemistry majors are sure to find this slimmed-down, didactically valuable book helpful as well. The book is excellent for self-study.

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**58,84 €**

54,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

**Artikelnummer:** 9783662676363

**Medium:** Buch

**ISBN:** 978-3-662-67636-3

**Verlag:** Springer

**Erscheinungstermin:** 12.09.2023

**Sprache(n):** Englisch

**Auflage:** 1. Auflage 2023

**Produktform:** Kartoniert

**Gewicht:** 406 g

**Seiten:** 248

**Format (B x H):** 155 x 235 mm

