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# Physical Chemistry from a Different Angle

Introducing Chemical Equilibrium, Kinetics and Electrochemistry by Numerous Experiments

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approx. 645 pages, nearly 400 figures, \$119

## **Easily understandable introduction to physical chemistry with numerous demonstration experiments**

The book discusses the principles of matter dynamics in three parts

- Basic concepts and chemical equilibria (chemical thermodynamics)
- Progression of transformations of substances in time (kinetics)
- Interaction of chemical phenomena and electric fields (electrochemistry)

and gives at the same time an overview of important branches of physical chemistry. The reader is introduced directly in a conceptually and mathematically basic way to the central quantities and equations necessary for the description of transformations of substances such as chemical reactions or phase transitions. Because students often regard physical chemistry as very abstract and remote from day-to-day life, theoretical considerations are linked to everyday experience and more than hundred carefully selected demonstration experiments.

## **Target audience**

- Students at highschools, colleges and universities in courses where physical chemistry is required in support as well as in a first course in physical chemistry

## **Customer review (of the German edition)**

“The book presented is the most revolutionary textbook published in the last decades in the field of physical chemistry. .... I was very impressed by the innovative concept as well as the writing style of the book. The numerous experiments illustrated with pictures are also very nice and helpful. They make the text more lively and disprove the widely held opinion that physical chemistry is a very abstract field.”

More information about the new concept for teaching can be found on the web site [www.job-foundation.org](http://www.job-foundation.org).