



Advances in Chemistry Education Series

The Nature of the Chemical Concept

Re-constructing Chemical Knowledge in Teaching and Learning

Keith S. Taber



The Nature of the Chemical Concept

Re-constructing Chemical Knowledge in Teaching and Learning

Keith S Taber University of Cambridge, UK

Synopsis

All chemistry teachers know that chemistry is a conceptual subject, especially at the upper end of secondary school and at university level, and that some students struggle to understand many chemical ideas. This book offers a step-by-step analysis and discussion of just why some students find chemistry difficult, by examining the nature of chemistry concepts, and how they are communicated and learnt. The book considers the idea of concepts itself; draws upon case studies of how canonical chemical concepts have developed; explores how chemical concepts become represented in curriculum and in classroom teaching; and discusses how conceptual learning and development occurs. This book will be invaluable to anyone interested in teaching and learning and offers guidance to teachers looking to make sense of, and respond to, the challenges of teaching chemistry.

Hardback | 354 | 9781782624608 | £99.99 | \$140.00 | 22/05/2019

Order your copy at [rsc.li/books](https://www.rsc.li/books)

All information is subject to change without notice
Registered charity number: 207890

