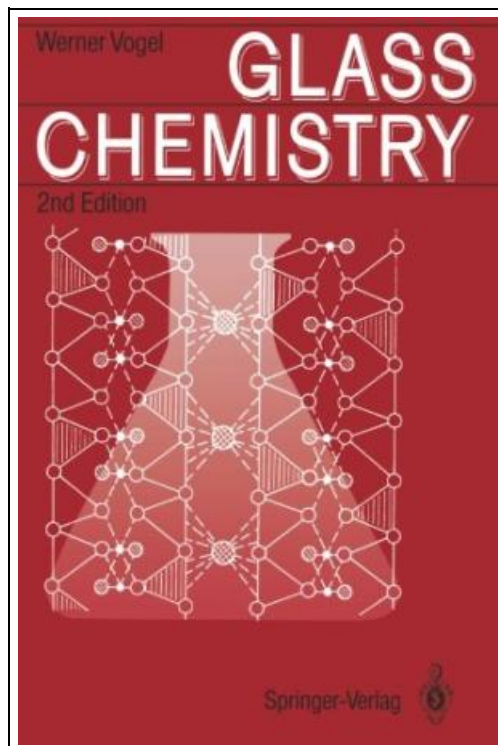


Glass Chemistry



Filesize: 7.24 MB

Reviews

The book is fantastic and great. it was writtern really perfectly and useful. I discovered this pdf from my i and dad suggested this book to learn.

(Dr. Cordie Upton III)

GLASS CHEMISTRY

[DOWNLOAD](#)

To read **Glass Chemistry** PDF, please access the hyperlink listed below and save the document or gain access to additional information that are have conjunction with GLASS CHEMISTRY book.

Condition: New. Publisher/Verlag: Springer, Berlin | Glass Chemistry is concerned with the relation of chemical composition, structure and properties of various glasses. The book has been translated from the third German edition, which serves as a textbook for university students in materials sciences and a reference book for scientists and engineers in glass science and production. The central themes of the book are the chemistry and physics of glass. Detailed knowledge of the compositional and structural facts is the basis for the systematic development of new glasses as construction and optical materials. Glass Chemistry is an interdisciplinary book on the borderlines between chemistry, physics, mineralogy and even biology and medicine. The book represents a well balanced treatment for students, scientists and engineers. | 1 Historical Development of Glass Chemistry.- 1.1 The Beginnings of Glass Research.- 1.2 History of the Chemistry of Optical Glass.- 1.2.1 Ernst Abbe and Otto Schott.- 1.2.2 Carl Zeiss and the Zeiss Foundation.- 1.2.3 The Development of New Optical Glasses after 1939.- 1.3 History of Technical Glass.- 2 Freezing of a Melt to a Vitreous Solid.- 2.1 Fusion and Crystallization. General.- 2.2 Significant Differences Between Crystalline and Non-crystalline (Glassy) Solids.- 2.3 Standard Viscosity Temperatures for Solidification of Glasses.- 2.4 Annealing of Optical Glass.- 3 Structural Elements of Silicates.- 3.1 The SiO₄ Tetrahedron as the Basic Building Block of Silicates.- 3.2 Building Units of Natural Crystalline Silicates.- 4 Classical Theories of Glass Structure.- 4.1 Glass Structure According to Tammann (since 1903).- 4.2 Glass Formation According to Goldschmidt.- 4.3 The Zachariasen-Warren Network Theory.- 4.4 Extension of the Network Theory by Dietzel.- 4.5 Additional Concepts Supplementing the Network Theory.- 4.6 Lebedev's Crystallite Theory.- 4.7 Further Development of the Crystallite Theory.- 4.8 Kinetic Theory.- 5 Methodology in Glass Research.- 5.1 Structure of Liquids and Melts.- 5.2 The Nuclear Magnetic Resonance Method as...

[Read Glass Chemistry Online](#)[Download PDF Glass Chemistry](#)

Relevant Books



[PDF] Owen the Owl s Night Adventure: A Bedtime Illustration Book Your Little One Will Adore (Goodnight Series 1)

Click the web link under to download "Owen the Owl s Night Adventure: A Bedtime Illustration Book Your Little One Will Adore (Goodnight Series 1)" PDF document.

[Download ePub »](#)



[PDF] The Garden After the Rain: Bedtime Story and Activity Book for Children 4-8 Years

Click the web link under to download "The Garden After the Rain: Bedtime Story and Activity Book for Children 4-8 Years" PDF document.

[Download ePub »](#)



[PDF] Christmas Favourite Stories: Stories + Jokes + Colouring Book: Christmas Stories for Kids (Bedtime Stories for Ages 4-8): Books for Kids: Fun Christmas Stories, Jokes for Kids, Children Books, Books for Kids, Free Stories (Christmas Books for Children) (P

Click the web link under to download "Christmas Favourite Stories: Stories + Jokes + Colouring Book: Christmas Stories for Kids (Bedtime Stories for Ages 4-8): Books for Kids: Fun Christmas Stories, Jokes for Kids, Children Books, Books for Kids, Free Stories (Christmas Books for Children) (P" PDF document.

[Download ePub »](#)



[PDF] Using Graphic Novels in the Classroom, Grades 4-8

Click the web link under to download "Using Graphic Novels in the Classroom, Grades 4-8" PDF document.

[Download ePub »](#)



[PDF] 100 Fantastic Stories for 4-8 Year Olds: Perfectly Written and Illustrated for Toddlers

Click the web link under to download "100 Fantastic Stories for 4-8 Year Olds: Perfectly Written and Illustrated for Toddlers" PDF document.

[Download ePub »](#)



[PDF] On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning

Click the web link under to download "On the seventh grade language - Jiangsu version supporting materials - Tsinghua University Beijing University students efficient learning" PDF document.

[Download ePub »](#)