



Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides

By J F W Bowles, D J Vaughan, R A Howie, J Zussman

Download now

Read Online ➔

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman

Volume 5A of this second edition of Rock-Forming Minerals focuses on oxides, hydroxides and sulphides. Since the publication of the first edition, in 1962, there has been an enormous increase in the literature devoted to these minerals. This new edition, greatly expanded and rewritten, covers aspects that include crystal structures, chemical compositions, electronic structures, phase relations, thermochemistry, mineral surface structure and reactivity, physical properties, distinguishing features and parageneses (including stable isotope data).

Volume 5A deals with:

Oxides (J. F. W. Bowles)

Periclase, cassiterite, corundum, rutile, anatase, brookite, perovskite, hematite, ilmenite, pseudobrookite, armalcolite, pseudorutile, spinel, gahnite, galaxite, hercynite, magnetite, magnesioferrite, maghemite, qandilite, franklinite, jacobsonite, trevorite, Mg-chromite, chromite, Fe-chromite Hydroxides (R. A. Howie & J. Zussman)

Brucite, gibbsite, diaspore, boehmite, goethite, ferrihydrite, lepidocrocite, ferrihydrite Sulphides (D. J. Vaughan)

Pyrite, pyrrhotite, chalcocopyrite, sphalerite, galena

The Geological Society of London

Founded in 1807, the Geological Society of London is the oldest geological society in the world, and one of the largest publishers in the Earth sciences.

The Society publishes a wide range of high-quality peer-reviewed titles for academics and professionals working in the geosciences, and enjoys an enviable international reputation for the quality of its work.

The many areas in which we publish in include:

-Petroleum geology

- Tectonics, structural geology and geodynamics
- Stratigraphy, sedimentology and paleontology
- Volcanology, magmatic studies and geochemistry
- Remote sensing
- History of geology
- Regional geology guides

 [Download Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxid ...pdf](#)

 [Read Online Rock-Forming Minerals Vol. 5A: Non-Silicates: Ox ...pdf](#)

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides

By J F W Bowles, D J Vaughan, R A Howie, J Zussman

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman

Volume 5A of this second edition of Rock-Forming Minerals focuses on oxides, hydroxides and sulphides. Since the publication of the first edition, in 1962, there has been an enormous increase in the literature devoted to these minerals. This new edition, greatly expanded and rewritten, covers aspects that include crystal structures, chemical compositions, electronic structures, phase relations, thermochemistry, mineral surface structure and reactivity, physical properties, distinguishing features and parageneses (including stable isotope data).

Volume 5A deals with:

Oxides (J. F. W. Bowles)

Periclase, cassiterite, corundum, rutile, anatase, brookite, perovskite, hematite, ilmenite, pseudobrookite, armalcolite, pseudorutile, spinel, gahnite, galaxite, hercynite, magnetite, magnesioferrite, maghemite, qandilite, franklinite, jacobsonite, trevorite, Mg-chromite, chromite, Fe-chromite Hydroxides (R. A. Howie & J. Zussman)

Brucite, gibbsite, diasporite, boehmite, goethite, ferrihydrite, lepidocrocite, ferrihydrite Sulphides (D. J. Vaughan)

Pyrite, pyrrhotite, chalcopyrite, sphalerite, galena

The Geological Society of London

Founded in 1807, the Geological Society of London is the oldest geological society in the world, and one of the largest publishers in the Earth sciences.

The Society publishes a wide range of high-quality peer-reviewed titles for academics and professionals working in the geosciences, and enjoys an enviable international reputation for the quality of its work.

The many areas in which we publish in include:

- Petroleum geology
- Tectonics, structural geology and geodynamics
- Stratigraphy, sedimentology and paleontology
- Volcanology, magmatic studies and geochemistry
- Remote sensing
- History of geology
- Regional geology guides

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman Bibliography

- Sales Rank: #3519236 in Books
- Published on: 2011-03-31
- Original language: English
- Dimensions: 9.50" h x 6.50" w x 2.00" l,
- Binding: Hardcover
- 418 pages



[Download Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxid ...pdf](#)



[Read Online Rock-Forming Minerals Vol. 5A: Non-Silicates: Ox ...pdf](#)

Editorial Review

Review

Few books on our shelves are pulled more often than mineralogy reference texts. It was thus a great pleasure to dive into a new edition from the classic series Rock-forming Minerals (aka Deer, Howie and Zussman). This particular release, Non-Silicates: Oxides, Hydroxides and Sulphides (volume 5A), is a vastly grown-up second edition of its predecessor of 50 years prior. Authors Bowles, Howie, Vaughan, and Zussman have compiled a comprehensive look at a subset of the mineral classes covered in the original, with the up-to-date version expanded to an impressive 920 pages in length.

The book is well organized and coordinated throughout, with systematic use of abbreviations and symbols tabulated up front for the reader's easy reference. Each chapter is initiated by a table of key optical and physical properties for that mineral, and cited references close the chapter. Both are convenient and useful for the purpose of the reader's further research. The book concludes with an index that is nicely replete with keywords and topics to search out their multiple occurrences. Key data tables and illustrations are carefully selected, well presented, and there when you need them

With respect to value versus cost, one only needs to make the observation that this volume was written by intellectual giants in the mineralogical sciences, well recognized and esteemed experts on this non-silicate subgroup. Though every effort seems to have been made to craft the book in a standardized reference-text form, the insightful perspectives and biases of the authors are tacitly evident. In this regard, and given its 50-year mark, the book is without a doubt a significant milestone. Because of this, I ascribe a higher return on investment relative to other reference books of its kind.

All things considered, I find it easy to recommend this volume to student and professional alike, to those seeking a solid foundation for pursuit of the next 50 years of mineralogical research on these minerals and beyond. --Kevin M. Rosso, Pacific Northwest National Laboratory - Review featured in Elements December issue 2012

Users Review

From reader reviews:

Shawn Francis:

The book Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides make you feel enjoy for your spare time. You can utilize to make your capable considerably more increase. Book can being your best friend when you getting strain or having big problem along with your subject. If you can make examining a book Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides for being your habit, you can get much more advantages, like add your own personal capable, increase your knowledge about many or all subjects. It is possible to know everything if you like open up and read a e-book Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides. Kinds of book are a lot of. It means that, science book or encyclopedia or others. So , how do you think about this reserve?

Richard Redd:

Now a day people that Living in the era everywhere everything reachable by connect to the internet and the resources in it can be true or not require people to be aware of each info they get. How individuals to be smart in having any information nowadays? Of course the solution is reading a book. Looking at a book can help individuals out of this uncertainty Information specially this Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides book since this book offers you rich information and knowledge. Of course the data in this book hundred pct guarantees there is no doubt in it you may already know.

Beth Murray:

Do you like reading a e-book? Confuse to looking for your favorite book? Or your book ended up being rare? Why so many query for the book? But virtually any people feel that they enjoy intended for reading. Some people likes studying, not only science book but additionally novel and Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides as well as others sources were given expertise for you. After you know how the truly amazing a book, you feel wish to read more and more. Science e-book was created for teacher or students especially. Those textbooks are helping them to add their knowledge. In additional case, beside science book, any other book likes Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides to make your spare time much more colorful. Many types of book like this.

Alma Rasmussen:

A lot of publication has printed but it differs. You can get it by online on social media. You can choose the best book for you, science, amusing, novel, or whatever simply by searching from it. It is known as of book Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides. Contain your knowledge by it. Without making the printed book, it may add your knowledge and make an individual happier to read. It is most significant that, you must aware about guide. It can bring you from one destination to other place.

Download and Read Online Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman #K3IJUM65BAG

Read Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman for online ebook

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman books to read online.

Online Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman ebook PDF download

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman Doc

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman Mobipocket

Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman EPub

K3IJUM65BAG: Rock-Forming Minerals Vol. 5A: Non-Silicates: Oxides, Hydroxides and Sulphides By J F W Bowles, D J Vaughan, R A Howie, J Zussman