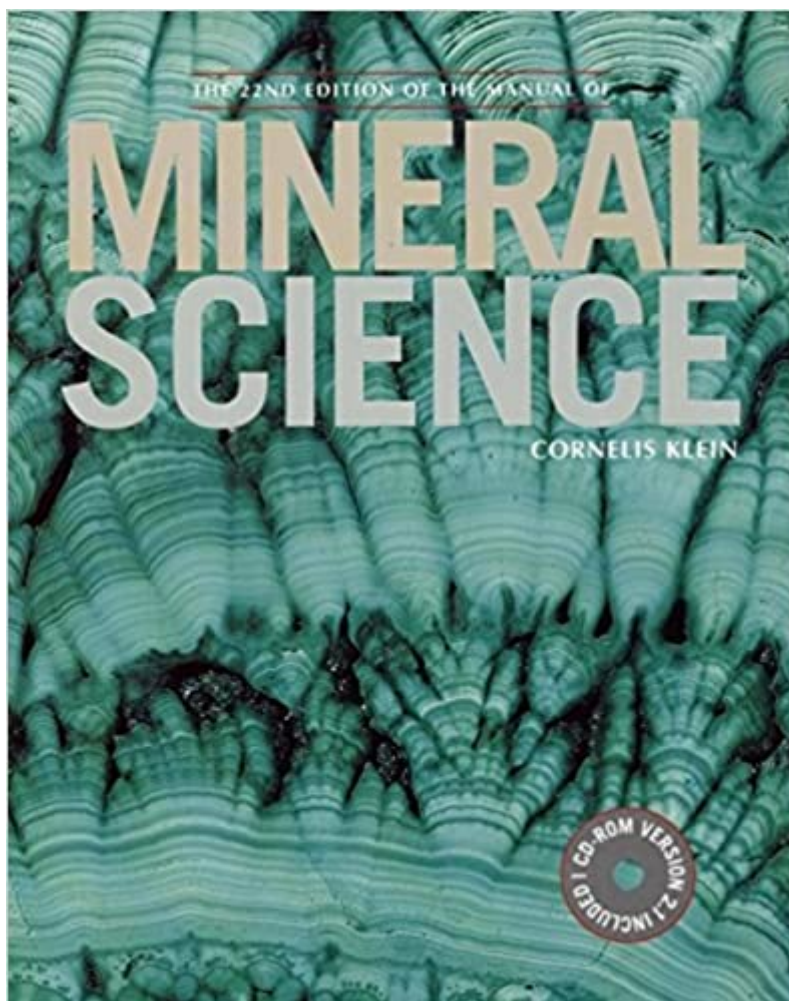


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# Manual Of Mineral Science, 22nd Edition (Manual Of Mineralogy)



## Synopsis

Contains well praised Mineralogy Tutorials 2.0 CD-ROM. \* Icons appear in the book where the CD-ROM is appropriate for exploration. \* All references have been completely updated.

## Book Information

Series: Manual of Mineralogy

Hardcover: 656 pages

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Average Customer Review: 3.9 out of 5 stars 60 customer reviews

Best Sellers Rank: #118,854 in Books (See Top 100 in Books) #4 in Books > Science & Math > Chemistry > Crystallography #18 in Books > Science & Math > Earth Sciences > Mineralogy #212 in Books > Science & Math > Earth Sciences > Geology

## Customer Reviews

This highly revised 22nd edition even has a new name Manual of Mineral Science. It covers chemistry and crystal chemistry earlier than in previous editions to make the text more accessible to a broader range of students. The first seven chapters are essentially independent, allowing for great flexibility in an instructor's preferred subject sequence. Each chapter has new introductory statements that explain what follows. New figures have been added in many places and thirteen new "interest boxes" Relate the subject of mineralogy to matters that are of more general and/or geologic interest. Eight new color plates with photographs of 72 of the most common minerals are new as well. An expanded and More Usable CD. A revised version (2.1) of the CD-ROM Mineralogy Tutorials is enclosed with this text, designed for both student and instructor use. It Includes many animations that deal with three-dimensional concepts (in crystal chemistry and crystallography) and which are difficult to visualize from a book illustration, as well as brief text pages for 104 of the most common minerals, with links to crystal structure illustrations, compositional and assemblage diagrams, stability and phase diagrams, solid solution mechanism, and so on. It has an "Autorun" feature for the PC platform; an efficient print function was added, and all animations were made compatible with Quick Time version 4.0. Furthermore, audio explanations by the author were added

to about 50 screens to aid the user's understanding of the presentations and/or animations. The illustrations and animations are consistently large so that the images are extremely useful as an accompaniment to lectures, through a computer overhead projection system. Laboratory Manual. Also available from John Wiley & Sons, Inc. for use in the mineralogy laboratory is: Klein, C., 1994Â Minerals and Rocks: Exercises in Crystallography, Mineralogy, and Hand Specimen Petrology, revised edition, 405 PP.

came in perfect condition. book itself is tough to get through and may contain a few inconsistencies but still gets the job done...in other words, if you need this book for a class in mineralogy or something similar, it will teach you what you need to know. any substantial confusion is from a lack of explanation due to not having a face to face interaction-- the text will mention how it is easier to conceptualize with the help of a wooden model of some sort. i find the mineral identification charts in the back extremely helpful and necessary. the "cd-rom" is a little outdated and doesn't cover all subjects i'd like it to.

I bought this book as a Christmas present for my 12 year old nephew who lives with me. He LOVES mineralogy and already has several books on the subject. He immediately began devouring this book, following me around telling me all the 'interesting' things he's learning. (I don't really mind, it is nice to see him enthusiastic about something other than a video game.) The book might be considered a 'Mineralogy 101' and has been a very good textbook to introduce the science to my budding mineralogist. Not really having the same interest, I wouldn't be able to tell you if the book would be a good reference for someone already familiar with mineralogy. The things my nephew likes best is it filled in gaps of his knowledge of crystalline structures & how they form & how the formations affect what you do with them (faceting). The discussions on mining techniques also caught his interest. All in all, I'm very pleased with my purchase, and so is my nephew.

Book Review:I bought this book, even though it is a past edition, and so far it is doing well. It doesn't have a lot of the tables and graphs as a newer edition of Dana's Manual but it still has a lot of the same quality of information. After all not much has changed in the world of Mineralogy. It wasn't as big as a normal textbook so it takes up less room in my bag.Seller Review:The book was in slightly better condition than was advertised, and it is a very good book. The only slight problem I had was the shipping length, but that was more of the carrier's fault than the seller. Seller shipped book on the next business day. I paid for expedite shipping and assumed it was 2-3 business days, and it

was 5 business days. Normally I wouldn't care, but when you are trying to study for an exam everyday matters. So shelling out an extra \$7 dollars and expecting it in 3 days, but not receiving it until 5 days will get you a little irked.

The CD is outdated and doesn't run on modern operating systems. Some topics are explained well but others refer to the CD which is not usable. For the high price not worth it.

Into the 5th week of Mineralogy class, this book \*then\* became extremely informative - this is not a self-instructional manual, and I do not believe it was intended to be so. Most students will find the writing style in this text a bit intellectually heady, having been written by a distinguished Harvard PhD professor. It could have been written more concisely, perhaps more simplistically, but all the information is there, and from what I understand, past editions were more comprehensive than this 22nd edition. I personally love this text, and only \*after\* an introduction to the subject will this text make real sense to the reader. And yes, I agree with the previous posts regarding certain statements about crystal structures that require some sort of base level knowledge of chemistry or physics or math (i.e. symmetry concepts) in order to fully comprehend a particular passage, but that's what you get from an Ivy League PhD-er! I believe this text was designed for the third year student who should already have taken 1 semester each of at least chemistry and calculus. Although calculus isn't necessary for the class, it presupposes that you know and understand some basic conceptual geometry. I would suggest reading some basic introduction to mineralogy websites before tackling this book. Also, I have found that for the conscientious mineralogy students who possess a "more refined" reading level and who are putting genuine effort into the class, this book is a valuable edition. Other texts simply do not cover as much material as found here, such as x-ray diffraction and optics. Overall meant for students and not the self-taught, although that depends on the individual, but in general I would not recommend this for the beginner who wants to learn on his/her own. Still, a great text. Try getting some older editions with less sub-subjects edited out for a real comprehensive text!

I bought this textbook for a Mineralogy course at a university. I was told the 22nd edition would suffice since I could not afford the 23rd edition. For those of you who are in the same boat and trying to cut corners, don't buy this book! I am not commenting on the quality of the book at all, I'm sure it is an excellent textbook. I am just warning those who expect to follow along in a class using the next edition. It's not just a matter of different page numbers or chapters, there are whole chapters

missing. If you need the 23rd edition and are in a pinch, rent it from [...]

This is a fantastic resource! If you are a student, do yourself a favor and do not sell this book back! It will continue to be of great help to you.

Great quality. There was a mishap with the shipping but after talking with the owners it was settled out pleasantly.

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