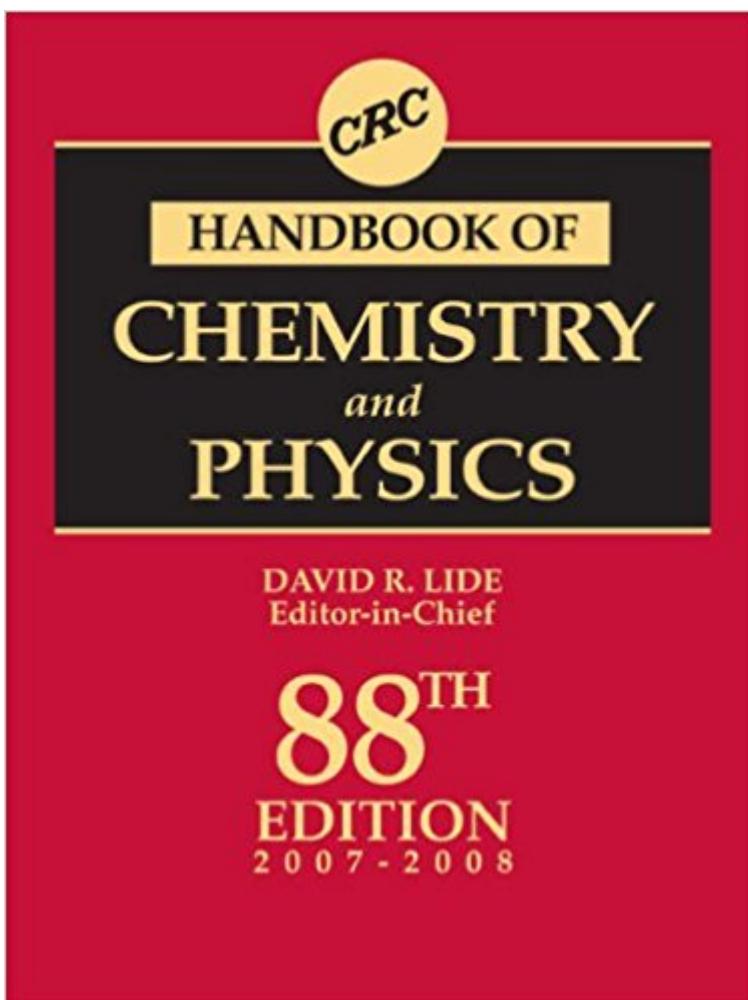


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CRC Handbook Of Chemistry And Physics, 88th Edition (CRC Handbook Of Chemistry & Physics)



Synopsis

The CRC Handbook of Chemistry and Physics, 88th Edition continues to offer the most authoritative, up-to-date data to scientists around the world. This edition contains NEW tables on Properties of Ionic Liquids, Solubilities of Hydrocarbons in Sea Water, Solubility of Organic Compounds in Superheated Water, and Nutritive Value of Foods. It also updates many tables including Critical Constants, Heats of Vaporization, Aqueous Solubility of Organic Compounds, Vapor Pressure of Mercury, Scientific Abbreviations and Symbols, and Bond Dissociation Energies. The 88th Edition also presents a new Foreword written by Dr. Harold Kroto, a 1996 Nobel Laureate in Chemistry.

Book Information

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Customer Reviews

Recent Reviews from Previous Editions: This well-established publication from CRC Press has been given a face lift The publisher's philosophy, however, 'to provide broad coverage of data commonly encountered by physical scientists and engineers,' remains unchanged.- Prof. John Yates (formerly at University College London, UK) in Chemical Engineering Research and Design, May 2006This famous handbook continues to provide current, critically evaluated chemical and physical data in a one-volume format. A goldmine of information… - JACS, Vol. 127, No. 12, 2005A standard text in libraries everywhere…this resource is an invaluable source of data. - Medical Reference Services Quarterly, Vol. 24, No. 3, Fall 2005The CRC Handbook has been, in successive editions, on my bedside table for the last 55 years. - Oliver Sacks, Neurologist and

author

Very big and informative book!

Superb. Classic. If the lights ever go permanently dim, this will be one of the resources humanity will need to reclaim the light.

Great read. I just couldn't put it down. Spoiler alert, it was the butler!

arrived in good condition

just what I wanted

What can I say ? Anyone who has ever used one of these will tell you it is an indispensable reference.

Google, Wolfram Alpha, Wolfram Mathworld, Wikipedia... specialist websites like NIST might have made reference works obsolete. The CRC Handbook is not endangered. If you work or play in the physical sciences, there will be day after day when you need the beast. Immediacy has admittedly diminished. Buy an updated edition every five or so years. If you do not have a CRC, there will be bad days.

While the first reviewer is correct concerning the Handbook's comprehensive and encyclopedic nature, I doubt it would make for a comfortable pillow. The Chemical Rubber Company issues its 88th edition of authoritative listings of Fundamental Physical Constants and other scientific data necessary for university and professional research. The Handbook is broken up into 16 Sections followed by two appendices and an index, all of which are listed as follows:

Section 1: Basic Constants, Units, and Conversion Factors

Section 2: Symbols, Terminology, and Nomenclature

Section 3: Physical Constants of Organic Chemistry

Section 4: Properties of the Elements and Inorganic Compounds

Section 5: Thermochemistry, Electrochemistry, and Kinetics

Section 6: Fluid Properties

Section 7: Biochemistry

Section 8: Analytical Chemistry

Section 9: Molecular Structure and Spectroscopy

Section 10: Atomic, Molecular, and Optical Physics

Section 11: Nuclear and Particle Physics

Section 12: Properties of Solids

Section 13: Polymer

PropertiesSection 14: Geophysics, Astronomy, and AcousticsSection 15: Practical Laboratory

DataSection 16: Health and Safety InformationAppendix A: Mathematical TablesAppendix B:

Sources of Physical and Chemical DataIt must be said early on that this Handbook is not intended to provide any type of tutorial on the topics, but is the product of many experiments from among the various fields mentioned in the listed sections above. The Handbook is a collection of scientific facts and values to be used for calculations and experiments. (The reviewer for the 87th edition of the Handbook rated it 4 stars because the tome failed to give his son good explanations for phenomena in chemistry--again, that is not the Handbook's purpose.)Therefore, I am probably preaching to the choir with regard to those who will actually purchase the current edition. All others uninterested in chemistry & physics research, as well as up-to-date information on scientific data, will probably want to steer clear of such an expensive pillow. Nevertheless, those that are interested will be grateful for the depth and scope of work done to produce the best sets of tables, data, and constants so that we can frutifully carry out our own personal research.

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