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Radiation And Health



Synopsis

Radiation and the effects of radioactivity have been known for more than 100 years. International research spanning this period has yielded a great deal of information about radiation and its biological effects and this activity has resulted in the discovery of many applications in medicine and industry including cancer therapy, medical diagnostics, and quality control during manufacturing. After Chernobyl, there has been a tendency to regard radiation as harmful, even in situations where the doses are equal to or below the natural level. Radiation and Health presents a balanced view of the nature of radiation and its existence in the environment, as well as discussing its effects on plants, animals and humans. It also provides a survey of knowledge to date, from the discovery and basic theory of radiation and radioactivity to more recent developments concerned with the nature of radiation and its effect on biological systems. Numerous examples, exercises, and diagrams are included to make this book accessible to non-specialists. Radiation and Health provides information about the uses and consequences of ionizing radiation in medicine, research, and industry. It offers a basis for applying some basic calculations and comparing the results, and identifies risk factors to help establish rules and regulations that limit radiation doses, both to the individual and to society.

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Customer Reviews

A great read if one is looking to learn the basics on radiation. It is simple to read and easy to follow. We are using it for a textbook, which I would not recommend.

This is an excellent book for someone with a science or engineering background who wants to see how basic principles apply to radiation and how the numbers can be crunched.

I had high hopes for this book, expecting it to be a neutral textbook, but sadly the authors views shined through like a nuclear bomb. After just a few pages, all the talk of positive effects of nuclear energy and radiation made me ill... This book has nothing to do with medicine or health. This is, in my opinion, a highly political book. Pro-nuclear energy all the way. As a medical student hoping for a career in radiology as well as a Medical Peace Work student, I say stay away. I will be deleting this Kindle eBook in protest.

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