



Nanoscale: Visualizing an Invisible World (Hardback)

By Kenneth S Deffeyes

MIT Press Ltd, United States, 2009. Hardback. Book Condition: New. Stephen E Deffeyes (illustrator). 234 x 162 mm. Language: English . Brand New Book. The world is made up of structures too small to see with the naked eye, too small to see even with an electron microscope. Einstein established the reality of atoms and molecules in the early 1900s. How can we see a world measured in fractions of nanometers? (Most atoms are less than one nanometer, less than one-billionth of a meter, in diameter.) This beautiful and fascinating book gives us a tour of the invisible nanoscale world. It offers many vivid color illustrations of atomic structures, each accompanied by a short, engagingly written essay. The structures advance from the simple (air, ice) to the complex (supercapacitor, rare earth magnet). Each subject was chosen not in search of comprehensiveness but because it illustrates how atomic structure creates a property (such as hardness, color, or toxicity), or because it has a great story, or simply because it is beautiful. Thus we learn how diamonds ride volcanoes to the earth's surface (if they came up more slowly, they'd be graphite, as in pencils); what form of carbon is...



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