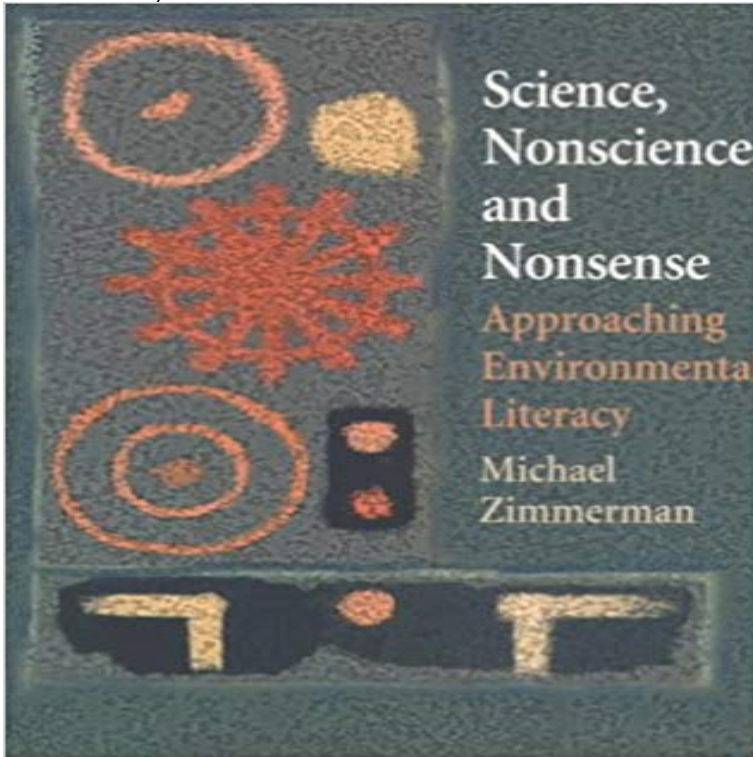


Science, Nonscience, and Nonsense: Approaching Environmental Literacy



A pesticide banned in the United States is sold instead to farmers overseas; their products are then exported to American supermarkets. How do you know your fruits and vegetables are safe from contamination?. A mining company buys government land in Colorado at \$5 an acre for possible mineral exploration, then sells it to a developer at \$50,000 an acre for condominiums. Such procedures are both legal and increasingly widespread. Can a better-informed public stop them?. Attempting to calm public fears about the safety of chemically treated fruits, a government official eats a treated apple at a televised press conference. How does the risk he takes compare--statistically--with yours and your childrens?As the role of science and technology in everyday life grows both more pervasive and more complex, it has become ever more difficult for a scientifically illiterate public to make informed judgments. In *Science, Nonscience, and Nonsense*, Michael Zimmerman takes on a wide range of falsifiers, disinformation specialists, and charlatans to provide readers with the scientific background necessary to evaluate environmental and other current issues that increasingly may be a matter of life and death.Zimmerman begins by showing just what science is--and how the criteria of skepticism and falsifiability distinguish it from pseudo-science and mysticism. He offers intelligent, entertaining, and sometimes scathing analyses of bad science--from lottery systems and creationism to graphologists and homeopaths, from food and product safety scams to outright scientific fraud. In each case he shows exactly what to watch for--how the most outrageously false claims often contain a grain of truth, and how valid scientific findings may be distorted or selectively quoted to serve the ends of government, business, or special interest groups.The author of a syndicated

newspaper column on scientific and environmental issues, Michael Zimmerman has been hailed by supporters in environmental groups and sharply criticized by his opponents. Science, Nonscience, and Nonsense is sure to provoke both controversy and debate. Increasingly large portions of the American public are scientifically illiterate. By this I mean not that many people are unaware of specific scientific facts, although there can be no doubt that they are. Rather, in pointing to scientific illiteracy I mean something far more rudimentary: an inability to differentiate science from pseudoscience. Science, based on skepticism and dependent on both falsifiability and experimentation, is dramatically different from pseudoscience, based on faith and dependent on gullibility. While pseudoscience can surely be entertaining, whether it be matching astrological signs with a date or playing paranormal parlor games, the situation becomes very different when the inability to distinguish between the two means that important decisions are made on the basis of superstitious drivel.--Michael Zimmerman, in Science, Nonscience, and Nonsense

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Michael Zimmerman HuffPost Promoting these ideas in science classrooms and laboratories Science, Nonscience, and Nonsense: Approaching Environmental Literacy. **Michael Zimmerman - Ovation, Inc. - Speakers on Issues that Matter Michael Zimmerman (biologist) - Wikipedia** Nonsense. Michael Zimmerman, in Science, Nonscience, and Nonsense: Approaching Environmental Literacy (1995), argues that there is substantial evidence **Approaching Environmental Literacy by Michael Zimmerman** Furthermore, under environmentalism of the poor, environmental issues are no Science, Nonscience and Nonsense: Approaching Environmental Literacy by. **Science, Nonscience, and Nonsense: Approaching Environmental** In Science, Nonscience, and Nonsense, Michael Zimmerman takes on a wide the scientific background necessary to evaluate environmental and other current Science, Nonscience and Nonsense : Approaching Environmental Literacy by **New in Paperback : Article : Nature** Find great deals for Science, Nonscience and Nonsense : Approaching Environmental Literacy by Michael Zimmerman (1967, Hardcover). Shop

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