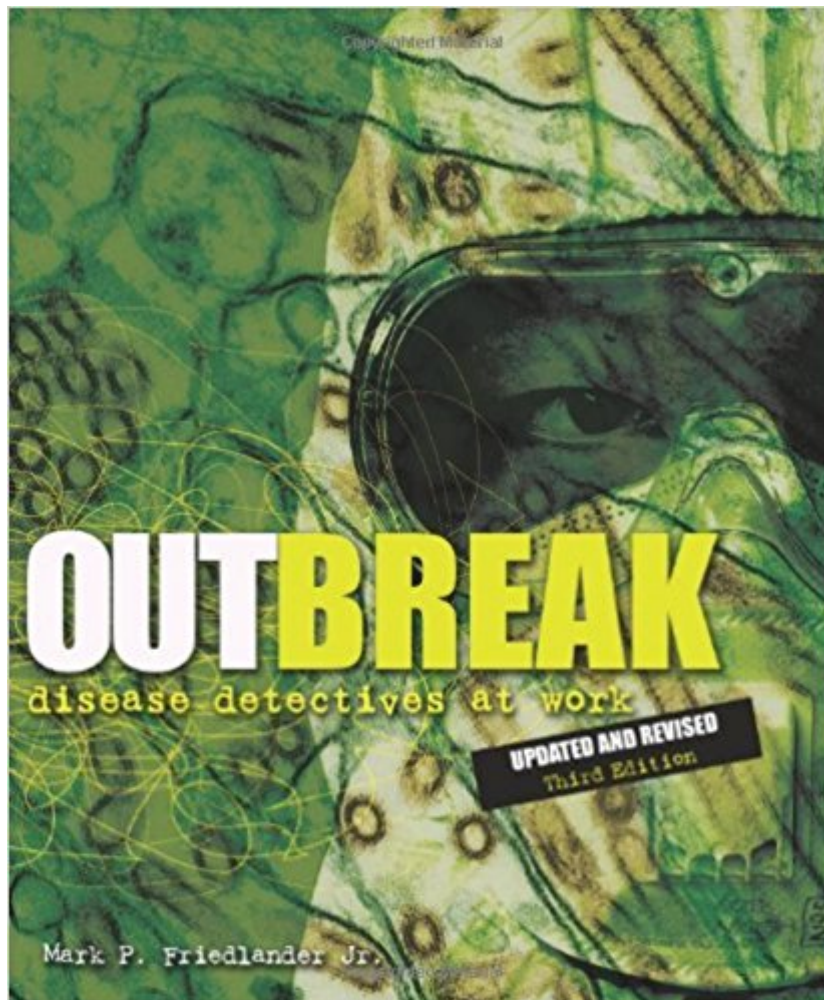




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Outbreak: Disease Detectives At Work (Discovery!)



Synopsis

Uncover the intriguing, and often mysterious, world of science in Lerner's Discovery! series. From late-breaking hot topics to conundrums whose answers have been concealed for centuries, books in this series provide in-depth coverage of science topics that young readers everywhere will find fascinating! Supports the national science education standards Unifying Concepts and Processes: Systems, Order, and Organization; Unifying Concepts and Processes: Evidence, Models, and Explanation; Unifying Concepts and Processes: Constancy, Change, and Measurement; Unifying Concepts and Processes: Evolution and Equilibrium; Life Science; and Science and Technology as outlined by the National Academics of Science and endorsed by the National Science Teachers Association. Bioterrorism, such as the recent anthrax attacks, presents special challenges to epidemiologists. In an all-new section, this updated edition reveals the unique problems involved when epidemiologists deal with these deliberate acts. Outbreak also takes a look at the major plagues and epidemics that have happened throughout the world within the last century, and the men and women responsible for stopping them. Learn the history of how these diseases are caused, treated, and what will happen in the future if science is unable to keep up with the ever-evolving microscopic enemies that have killed more humans than all major wars combined.

Book Information

Series: Discovery!

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Reference > Science & Technology > Biology

Customer Reviews

Grade 6-9-This is an update of a title originally published in 2000. The text consists of a history of

epidemics, their causes, the people who worked to control the microbes, and cures, if available. The revisions include a section on anthrax in the discussion of "Great Plagues of History," some updated information on AIDS, and a new chapter on bioterrorism. Friedlander points out that although this is a relatively new term, the practice goes back to ancient cultures. Specific examples are given, from ancient Greece to the present. This is a readable, intriguing overview of the destructive power of epidemics and the critical work of public health professionals. Black-and-white and full-color photographs and reproductions, both contemporary and archival, appear throughout along with numerous depictions of microbes. A useful and timely addition to any collection. Cynthia M. Sturgis, Leding Library, Milwaukie, OR Copyright 2003 Reed Business Information, Inc. --This text refers to an out of print or unavailable edition of this title.

In this informative and highly readable account that successfully walks a tightrope between information and dramatic embellishment, Friedlander illustrates the drama inherent in outbreaks of disease--and the heroic and often ingenious efforts of the people who try to understand and contain them. The sense of mystery and urgency that accompanies such outbreaks is succinctly conveyed in an introduction describing an actual case in 1940s New York City, in which homeless men with blue-tinged skin began appearing on the streets. In the chapters that follow, Friedlander explains important concepts and terminology, presents an interesting historical overview of epidemiology, and looks at contemporary outbreaks, among them Ebola and Legionnaire's Disease. There's also a frank, responsible chapter on AIDS. The book is nicely designed and illustrated. Especially noteworthy are the richly colored photomicrographs of bacteria, viruses, and cells. A fine research source as well as a compelling read in its own right. Tim Arnold Copyright © American Library Association. All rights reserved --This text refers to an out of print or unavailable edition of this title.

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