

MICROBES AND SOCIETY

BENJAMIN S. WEEKS
I. EDWARD ALCAMO

SECOND EDITION

Microbes and Society, Second Edition is the ideal textbook for liberal arts students taking a foundation course in the life sciences. Readers are taken on an extended tour of the microbial world that emphasizes the remarkable variety of microbes and their role in our everyday lives. *Microbes and Society, Second Edition* explores such topics as the function of microbes in ecological systems and environmental systems, and the use of microbes in food production and biotechnology. Coverage of bioterrorism, antibiotic resistance, and microbial disease offers students a broad and current perspective of the extensive impact of various microbes. Consistent with Edward Alcamo's student-friendly writing style, revised material is presented in a lively format that will engage students and highlight both the positive and negative impact that microorganisms have on our world.

Key Features of the Second Edition:

- Includes discussion of the recent *E. coli* outbreaks in the United States, the emergence of antibiotic resistant bacteria, updated epidemiology on rates of disease, and an expanded section on the use of bacteria in biotechnology.
- Features a new Chapter 3, Molecules of the Cell: The Building Blocks of Life, which allows students to explore the remaining chapters of the book with a deeper scientific foundation.
- Each chapter begins with a "Looking Ahead" section to highlight the important topics covered within that section.
- Key terms in each chapter are boldfaced to draw the reader's attention, and pronunciations of difficult microbial names are presented in the margin.
- "A Closer Look" boxes present historical insights, interesting asides, or discussions of the direction of current research.
- A glossary of key terms has been added to support student research and understanding.
- An Instructor's ToolKit CD-ROM includes a TestBank, answers to the text's Questions to Consider, chapter outlines, and a PowerPoint® Image Bank.
- <http://microbiology.jbpub.com/book/microbes> features a free online study guide, links to sites with in-depth information, more stories of microbiology, and links to the latest news and information.



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