

THE new biology

The New Biology is a 10-volume set that has evolved to accommodate new material and new areas of research, in keeping with the expansion of the biological disciplines and the development and application of research technologies in and out of the scientific laboratory. Since its publication several years ago, the set now includes four new volumes that focus on issues that cover the spectrum of human health, maintenance, and stability.

Viruses is a compelling examination of what many scientists consider to be the most enigmatic creatures in the world, addressing topics including the controversy as to whether viruses are truly alive to the continuing quests to discover new treatments and cures for viral diseases. As the cause of such diseases as AIDS and influenza, viruses are often synonymous with sickness and even death, yet they have also been beneficial to life by strengthening ecosystems and accelerating the rate at which organisms evolve. The book includes a discussion of the origin and structure of viruses, as well as insight into recent viral pandemics, such as SARS and swine flu.

The volume includes information on

- cell biology
- DNA and RNA viruses
- the first vaccine
- marine virology
- smallpox
- stem cell therapy
- viral infections, treatment of
- viral taxonomy

The book contains more than 50 color photographs and line illustrations, a Resource Center of supporting materials in cell biology and biotechnology, a glossary, a list of print and Internet resources, and an index. **The New Biology** set is essential for middle and high school students, teachers, and general readers who wish to understand the latest information on this controversial area of scientific research.

THE NEW BIOLOGY SET

Aging, Revised Edition

Animal Cloning, Revised Edition

Cancer, Revised Edition

The Cell, Revised Edition

Gene Therapy, Revised Edition

Genome Research

The Immune System

Modern Medicine

Stem Cell Research, Revised Edition

Viruses

Joseph Panno, Ph.D., holds a degree in biology from Simon Fraser University, British Columbia, and specializes in molecular biology and physiology. Dr. Panno has taught a variety of undergraduate biology courses and has published in numerous peer-reviewed publications, including *Cytometry* and *Molecular Brain Research*.

Cover images from left: 3-D renderings of DNA strands, stem cell with core inside, and cell (all from Shutterstock)

Cover design by Alicia Post

Printed in the United States of America

ISBN 978-0-8160-6855-5



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