

EVOLUTION

PRINCIPLES AND PROCESSES

BRIAN K. HALL

If you want to know about evolution as a science, how life began, what Charles Darwin really said about evolution, why a fungus is more closely related to human beings than to plants, how experiments in evolution are carried out today, why birds are flying dinosaurs, and how we manipulate the evolution of other species, then this is the book for you!

Written for students without a scientific background taking a one-term course, *Evolution: Principles and Processes* provides a concise introduction to evolutionary biology. Using an engaging writing style and a wealth of full-color illustrations, Brian Hall covers evolution chronologically — from the origins of the universe and of life through the ways humans influence the evolutionary process today. He brings together the principles and processes that explain evolutionary change and discusses the patterns of life that have resulted from the operation of evolution over the past 3.5 billion years. This overview, coupled with numerous case studies and examples, allows readers to understand and fully appreciate the origin, evolution and diversity of life.

KEY FEATURES OF *EVOLUTION: PRINCIPLES AND PROCESSES*:

- Begins with an introduction to the nature of science and to evolution as a science.
- Three chapters devoted to Charles Darwin: Darwin's life and work, Darwin and Wallace as co-discoverers of evolution by natural selection and Darwin and Mendel's theories of inheritance.
- A glossary of definitions is provided at the end of the book, along with a separate cross-listing lexicon of key concepts, principles, processes and groups of organisms.
- An Instructor's Media CD-ROM includes a PowerPoint® Image Bank and PowerPoint Lecture Outline Slides. An electronic Test Bank is also available online.
- A Student Companion Web site provides study tools and activities at <http://biology.jbpub.com/hall/evolutionprinciples>



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