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Autor: Futuyma, Douglas J.

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Sinopsis

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Published in March 2013, *Evolution, Third Edition* is a comprehensive treatment of contemporary evolutionary biology that is directed toward an undergraduate audience. It addresses major themes—including the history of evolution, evolutionary processes, adaptation, and evolution as an explanatory framework—at levels of biological organization ranging from genomes to ecological communities. Throughout, the text emphasizes the interplay between theory and empirical tests of hypotheses, thus acquainting students with the process of science. Teachers and students will find the list of important concepts and terms in each chapter a helpful guide, and will appreciate the dynamic figures and lively photographs. The content of all chapters has been updated.

New in This Edition

- !Greatly revised treatment of methods of phylogenetic analysis
- !Up-to-date coverage of human evolution, based on the fossil record and genomic variation
- !Reorganized treatment of the history of changes in biological diversity, integrating information from paleontology and phylogenetics
- !Coverage of important new developments in sexual selection and the evolutionary advantage of sex
- !Updated and expanded coverage of reinforcement in speciation, and of speciation with gene flow
- !Extensive updating of very recent advances in evolutionary genomics
- !Roughly 25% of the figures are new
- !The bibliography includes 460 new citations (of approximately 1,700)