

UNPACKING THE SCIENCE OF EVOLUTIONARY BIOLOGY
NOVA LIFELONG LEARNING INSTITUTE
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ADDITIONAL RESOURCES ABOUT THE SCIENCE OF EVOLUTION

GLOSSARY OF TERMS ABOUT THE NATURE OF SCIENCE:

FACT: In science, an observation that has been repeatedly confirmed.

HYPOTHESIS: A testable statement about the natural world that can be used to build more complex inferences and explanations.

LAW: A descriptive generalization about how some aspect of the natural world behaves under stated circumstances.

THEORY: In science, a well-substantiated explanation of some aspect of the natural world that can incorporate facts, laws, inferences, and tested hypotheses.

LINKS TO ELECTRONIC RESOURCES

Science, Evolution and Creationism. National Academy of Sciences and Institute of Medicine: <http://nap.edu/sec>. (Free download available through a link on this page). See also multiple references at the end of this document.

Voices for Evolution: A collection of statements from various organizations about the scientific validity of evolution and the compatibility of evolution science with many religious denominations, and why evolution should be taught in the nation's public schools. Links on this page include Statements from 1) Scientific and Scholarly Organizations, 2) Educational Organizations,

3) Religious Organizations, and 4) Civil Liberties Organizations.
<https://ncse.com/library-resource/voices-evolution>.

PBS Three-Part Series: *Your Inner Fish, Your Inner Reptile, Your Inner Primate*. Available for video streaming at <http://www.pbs.org/your-inner-fish/home/>.

PBS Seven-Part Series on Evolution: Darwin, Change, Extinction, Survival, Sex, Humans, Religion. Available for video streaming at <http://www.pbs.org/wgbh/evolution/>.

PBS NOVA: *What Darwin Never Knew*. Discoveries that have allowed science to understand enigmas that Darwin raised and could not answer. Available for video streaming at <https://www.youtube.com/watch?v=ov00SrBwjKQ>.

Smithsonian Institution's National Museum of Natural History: Website for the Hall on Human Origins exhibit, "What Does It Mean To Be Human?":
<http://humanorigins.si.edu/>.

University of California, Berkeley: Website on "Understanding Evolution: Your One-Stop Source for Information on Evolution."
<https://evolution.berkeley.edu/evolibrary/home.php>.

University of California, Berkeley: Website on "Understanding Science: How Science Really Works." <http://undsci.berkeley.edu/>.