

Evolution Study Guide Answer Key

1. **EVOLUTION** or change over time, is the process by which modern organisms have descended from ancient organisms
2. A scientific **THEORY** is a well supported, testable explanation of phenomena that have occurred in the natural world.
3. **CHARLES DARWIN** was an English naturalist who made numerous observations during his travels on the Beagle which led him to pose a hypothesis about how life changes over time.
4. **FOSSILS** are the preserved remains of ancient organisms that provide evidence for how life has changed over time.
5. **JEAN-BAPTISTE LAMARCK** proposed that the selective use or disuse of an organ led to a change the organ that was then passed on to the offspring.
6. **FITNESS** is the ability of an individual to survive and reproduce in its specific environment.
7. The process whereby individuals that are better suited to their environment survive and reproduce more successfully is called **NATURAL SELECTION** , which Darwin nicknamed **SURVIVAL OF THE FITTEST**
8. Structures that have different mature forms but develop from the same embryonic tissues are called **HOMOLOGOUS STRUCTURES**
9. Homologous structures that are so reduced in size that they no longer function, like the human appendix or legs in skinks, are called **VESTIGIAL** organs
10. The idea that each living species has descended with changes over time from other species is called **DESCENT** with **MODIFICATION**.
11. Dolphins, penguins, and sharks are distantly-related species that share similar characteristics which help them live in water. This is an example of **CONVERGENT** evolution.
12. Even though the Galapagos finches share a common ancestor, they have evolved to fit the ecosystems of their individual islands. This is an example of **DIVERGENT** evolution.
13. Another name for divergent evolution is **ADAPTIVE RADIATION**

MULTIPLE CHOICE

Circle the answer that best completes the statement.

A well supported, testable explanation of phenomena that have occurred in the natural world is called a

- A. hypothesis
- B. theory**
- C. law

Of all the places he visited, the _____ Islands influenced Darwin's ideas about evolution the most.

Biology Evolution Study Guide Answer Key Earthworms

R Sanford



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Life Study Guide David E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also covers study strategies common problem areas and provides a set of study questions both multiple choice and short answer Study Guide to Accompany Biology, the Science of Life, Third Edition W. J. Leverich, 1991 **College**

Biology II James Hall Zimmerman, 1963 **Biological Science** Biological Sciences Curriculum Study, 1996 Designing Your Own Classical Curriculum Laura M. Berquist, 2010-09-20 Home educator Laura Berquist presents a modern curriculum based on the time tested philosophy of the classical Trivium grammar logic and rhetoric She has given homeschoolers a valuable tool for putting together a liberal arts curriculum that feeds the soul as well as the intellect Her approach covering grades K 12 is detailed and practical and it is adaptable by parents and teachers to any situation This third revised edition includes a much expanded section for a high school curriculum and an updated list of resources for all grades **Study Guide for 31840 - Biology-First Edition** Neil A. Campbell, 1987 Student Study Guide for Biology [by] Campbell/Reece Martha R. Taylor, 2002 Marty Taylor Cornell University Provides a concept map of each chapter chapter summaries a variety of interactive questions and chapter tests **GO TO Objective NEET 2021 Biology Guide 8th Edition** Disha Experts,

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