

# Biology evolution questions and answers

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**What is biological evolution answers?** Biological evolution is the change in inherited traits over successive generations in populations of organisms. Evolutionary modification of traits occurs when variation is introduced into a population by gene mutation or genetic recombination or is removed by natural selection or genetic drift.

**What is evolution question and answer?** Evolution is a process witnessed in living entities wherein gradual changes are observed in the characteristics of species over generations attributed to the process of natural selection. Charles Darwin was the first person who observed the process and formulated the scientific theory of evolution.

**What are the 4 principles of biological evolution?** There are four principles at work in evolution—variation, inheritance, selection and time.

**What are 4 examples of evolution in biology?** Clover evolving in response to urbanized landscapes. Crickets evolving in response to a parasitic fly. Bacteria evolving resistance to antibiotics. Blackcap birds and Galapagos finches diverging into lineages with distinct traits.

**What is the role of DNA in evolution?** So a change in an organism's DNA can cause changes in all aspects of its life. Mutations are essential to evolution; they are the raw material of genetic variation. Without mutation, evolution could not occur.

**How does evolution occur in biology?** Biological evolution refers to the cumulative changes that occur in a population over time. These changes are produced at the genetic level as organisms' genes mutate and/or recombine in different ways during reproduction and are passed on to future generations.

**Is evolution a theory or fact?** Evolution, in this context, is both a fact and a theory. It is an incontrovertible fact that organisms have changed, or evolved, during the history of life on Earth. And biologists have identified and investigated mechanisms that can explain the major patterns of change." Biologist T.

**Why is it called evolution?** In classical Latin, though, *evolutio* had first denoted the unrolling of a scroll, and by the early 17th century, the English word *evolution* was often applied to 'the process of unrolling, opening out, or revealing'. It is this aspect of its application which may have been behind Darwin's reluctance to use the term.

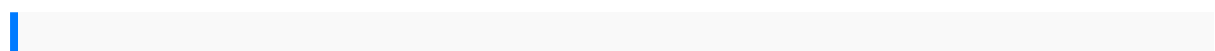
**Where did humans evolve from?** The exact origin of modern humans, *Homo sapiens*, has long been a topic of debate. Modern humans originated in Africa within the past 200,000 years and evolved from the now extinct *Homo erectus*. Human evolution is an active area of research and current evidence supports an 'out of Africa' migration theory.

**How do you explain biological evolution?** In biology, evolution is the change in the characteristics of a species over several generations and relies on the process of natural selection.

**What is the biological term of evolution?** Evolution: Evolution consists of changes in the heritable traits of a population of organisms as successive generations replace one another. It is populations of organisms that evolve, not individual organisms.

**What is a biological answer?** the response of a living tissue or organism to a stimulus.

**What is biological human evolution?** Human evolution is the lengthy process of change by which people originated from apelike ancestors. Scientific evidence shows that the physical and behavioral traits shared by all people originated from apelike ancestors and evolved over a period of approximately six million years.



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