

# [Evolution and culture](https://assignbuster.com/evolution-and-culture/)

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Sociobiology is a synthesis of scientific disciplines that explains behavior in all species by considering the evolutionary advantages of social behaviors. It is considered a branch of biology &   
  
sociology, and it draws from ethology, evolution, zoology, population genetics, archeology, and   
  
other disciplines. Sociobiology is closely related to the fields of Human behavioral ecology and   
  
evolutionary psychology, within the study of human societies. Sociobiology gave rise to many new   
  
and advanced theories, in the process of studying the behaviors, psychology and evolution changes   
  
in animals and other perspectives in human beings. Some of the important theories and principles   
  
used and developed in sociobiology are Evolutionary psychology, Behavioral ecology, and Gene-   
  
culture co evolutionary theory.   
  
Sociobiological theory states that animal or human behavior cannot be satisfactorily explained   
  
entirely by cultural, environmental, ethnic, or individualistic factors alone. It states that in order to   
  
understand the behavior; it must be analyzed with some focus on its evolutionary origins, and with   
  
deep consideration for modern paradigms of sociology, psychology, anthropology and other human   
  
sciences. To understand and study the different behaviors of different species of animal and human   
  
being, sociobiology applied the methods of different theories, which are particularly used for   
  
understanding human and animal behavior (Behavioral ecology animals and Humans). For   
  
understanding the psychology mental and psychological traits, such as language as adaptation,   
  
memory, and other senses, it gave rise to new theory Evolutionary psychology.   
  
Sociobiology applied the methods of behavioral ecology to the human species. Human   
  
behavior were been treated as optimal solutions to adaptive problems, or as evolutionary stable   
  
strategies in game theoretic models of competition between organisms. Sociobiology has provided   
  
the strong Darwinian foundations, which have contributed to the development of evolutionary   
  
psychology. Evolutionary psychology did not seek to replace sociobiology; instead, it strengthened   
  
  
and expanded upon the strongest sociobiological theses, incorporating theses new and improved   
  
ideas into its infrastructure. At the same time, it has also incorporated biological, physiological, and   
  
biochemical hypotheses, thus encompassing the hard-core sciences into the field of psychology.   
  
Sociobiology has given birth to a new and improved theory Evolutionary Psychology into the world   
  
of science.   
  
An example of sociobiology was the theory, which became known as kin selection, was to   
  
revolutionize our understanding of animal social behavior. In sociobiology, how kin selection could   
  
be used to explain altruism in primates, social carnivores, and birds, as well as in insects.   
  
Another important sociobiological development was Evolutionary game theory. Sociobiology was   
  
first challenged on the basic of Gene-culture co evolutionary theory.   
  
Gene-culture co evolutionary theory is clearly an advance on sociobiology because it can explain   
  
more data, but it still faces two problems. First, it regards the modification of natural selection   
  
pressures in environment as an exclusively human ability. Second, gene culture co evolutionary   
  
theory did not initially refer ecological inheritance. Gene culture co evolutionary theory is   
  
developed by the sociobiologist and evolutionary psychologist Edward O. Wilson, which states that   
  
to genetic evolution the human lineage, has added the parallel track of cultural evolution.   
  
Due the problems in Gene-culture co evolutionary theory implied in sociobiology for the research   
  
purpose, new theories, and advance changes in gene culture theory were made.   
  
For the study of the animal behavior, behavioral ecology was implied by the sociobiology, as it is   
  
the study of ecological and evolutionary basic for animal behavior. The social behavior of animal is   
  
been studied by behavioral ecology, as behavioral ecology is related to evolution, it is the study of   
  
animal behavior with change to time. The study of behavior through sociobiology, gives rise to   
  
some other important theories.