

# Biology chapter 15 vocabulary review

## crossword puzzle answers

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**Who was the scientist whose ideas about evolution and adaptation influenced Darwin?** Jean Baptiste Lamarck was a botanist and zoologist who was one of the first to propose that humans evolved from a lower species through adaptations over time. His work inspired Darwin's ideas of natural selection. Lamarck also came up with an explanation for vestigial structures.

**Who was the economist whose ideas about human population influenced Darwin?** Charles Darwin was inspired by Thomas Robert Malthus, a late-eighteenth-century economist. Malthus wrote, "Essay on the Principle of Population" (1798), which Darwin examined. Thomas Malthus' inspired Darwin to refine natural selection by stating a reason for meaningful competition between members of the same species.

**When members of each species compete regularly to obtain food living space and other necessities of life?** Final answer: When each species competes for necessities like food and living space, it is known as interspecific competition. Such competition can drive the evolution and adaptation of species, with those better adapted to securing resources surviving and thriving.

**What was Darwin's greatest contribution to Quizlet?** His greatest contribution was developing a scientific hypothesis to explain how evolution occurs.

**Who are the 2 scientists that influenced Darwin's theory of evolution?** Darwin was influenced by other early thinkers, including Lamarck, Lyell, and Malthus. Darwin was also influenced by his knowledge of artificial selection. Wallace's paper on evolution confirmed Darwin's ideas.

**Who were the men who influenced Darwin?** Darwin was influenced by thinkers like Lamarck, Lyell, and Malthus. Lamarck's idea of inheritance of acquired characteristics was incorrect. Lyell proposed that gradual geological processes shaped Earth's surface.

**Who was Darwin's wife?**

**What most influenced Darwin's thoughts about the question of evolving life was?** Influences on Darwin Lyell's ideas about gradual geological change would play an important role in shaping Darwin's thinking about gradual biological evolution. Thomas Malthus was another thinker who strongly influenced Darwin.

**What are the facts about Darwin's theory of evolution?** Charles Darwin's theory of evolution had three main components: that variation occurred randomly among members of a species; that an individual's traits could be inherited by its progeny; and that the struggle for existence would allow only those with favorable traits to survive.

**What is the feeding interactions among species in a community?** Feeding relationships — eating or being eaten — are called trophic interactions. In addition, some organisms, called foundation species, exert influence on a community not through their trophic interactions, but by causing physical changes in the environment.

**What is the process where two species adapt to competition called?** Coevolution is likely to happen when different species have close ecological interactions with one another. These ecological relationships include: Predator/prey and parasite/host. Competitive species.

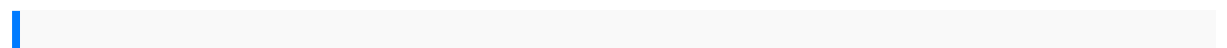
**When a species survival depends on cooperation What is it called?** Mutualism is a type of symbiotic relationship where all species involved benefit from their interactions.

**Who came up with the theory of evolution with Darwin?** But in the mid-1800s, Darwin and the British biologist Alfred Russel Wallace independently conceived of a natural, even observable, way for life to change: a process Darwin called natural selection.

**Who are some scientists that contributed to the theory of evolution other than Darwin?** Take a look at the life and work of Charles Darwin and how his ideas and discoveries changed the world. Also find information about other scientists who've studied evolution, including Alfred Russel Wallace, Jean-Baptiste Lamarck, Carolus Linnaeus, and others.

**Who was the influencer of Darwin's theory?** Darwin's famous theory of evolution was influenced by other famous and non-famous personalities working in different occupations, including Thomas Malthus, Charles Lyell, and Jean Lamarck.

**What is evolution and adaptation Charles Darwin?** Adapting to Environments. Through evolution, species adapt over time to become better suited to their environments. Adaptation is a key process through which species change their physical characteristics. These characteristics are passed down to subsequent generations, which also benefit from a biological advantage.



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