

# Download File PDF 16 Evolution Of Populations Answer Key

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**16 Evolution Of Populations Answer Key**

**Quiz Chs 4 & 5 (ANSWER KEY)**  
Chapter 4: Evolution, Biodiversity, and Population Ecology  
Multiple Choice Questions  
1) Endemic species \_\_\_\_\_  
A) are generalists D) have high rates of mutations that lead to large numbers of offspring  
B) cause disease E) are only found in one place on the planet  
C) are invasive species that cause extinction  
2) The functional role of a species in its community is its \_\_\_\_\_.  
A) habitat C) biotic potential  
B) trophic level D) niche E) carrying capacity  
3) Groups of organisms with low biotic potential \_\_\_\_\_.  
A) are r-strategists D) include the golden toads of Monteverde and many species of frogs  
B) are K-strategists E) have slowly growing populations  
C) are densely independent organisms  
4) Scientists hypothesize that the average time that a species spends on Earth is \_\_\_\_\_ years.  
A) 1,000-5,000 C) 500,000 E) 100 million  
B) 100,000-400,000 D) 1-10 million  
5) Charles Darwin and Alfred Wallace are best known for their ecological studies of \_\_\_\_\_.  
A) wolves and domestic dog breeds  
B) Branta stramonias and crops such as broccoli, cauliflower, cabbage, and Brussels sprouts  
C) golden toads in the cloud forests of Monteverde  
D) exotic animals in the Galapagos Islands and Malay Archipelago  
E) passenger pigeons  
6) Approximately \_\_\_\_\_ species are thought to presently inhabit Earth.  
A) 1,000-100,000 C) 1 million E) 1 billion  
B) 500,000 D) 1.5-300 million  
7) Which of the following best describes Costa Rica?  
A) Uniform habitat with low biodiversity.  
B) Ecologically diverse tropical nation estimated to contain 5.6% of all known species.  
C) Most of the species present in the country have been introduced into the area from elsewhere.  
D) It is home to large expanses of dry savannah.  
E) It is the only place left on Earth rich in biodiversity.  
8) Which of the following is hypothesized to be true regarding Earth's mass extinction events?  
A) They have occurred over a dozen times.  
B) The most recent extinction was due to massive volcanism.  
C) They usually wipe out 10-20% of Earth's species each time they occur.  
D) The most recent was the most massive.  
E) The most recent occurred 65 million years ago and brought an end to the dinosaurs.  
9) Which of the following are characteristics of K-selected species?  
A) long-lived, large size, small numbers of offspring D) characteristically fluctuating population size, close to carrying capacity  
B) reproduce early in life, short-lived, rapidly dispersing E) small size, reproduce early in life  
C) no parental care, high mortality of juveniles  
10) A J-shaped population growth curve \_\_\_\_\_.  
A) is evident in populations restricted by limiting environmental factors  
B) demonstrates growth by a fixed percentage over time  
C) is typical for populations that are large and dense  
D) was never predicted by early visionaries such as Thomas Malthus  
E) demonstrates logistic growth