Quiz Chs 4 & 5 (ANSWER KEY) Chapter 4: Evolution, Biodiversity, and Population Ecology

Multiple-Choice Questions 1) Endemic species A) are generalists B) cause disease C) are invasive species that cause extinction	D) have high rates of mutations tha E) are only found in one place on the	
The functional role of a species in its command habitat B) trophic level	munity is its C) biotic potential 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 density-independent organisms		
4) Scientists hypothesize that the average tin A) 1,000-5,000 B) 100,000-400,000	ne that a species spends on Earth is C) 500,000 D) 1-10 million	years. E) 100 million
5) Charles Darwin and Alfred Wallace are best known for their ecological studies of A) wolves and derived dog breeds B) Brassica oleracea 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 thou A) 1,000-100,000 B) 500,000	ght to presently inhabit Earth. C) 1 million D) 1.5-100 million	E) 1 billion
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 A) They have occurred over a dozen times. B) The most recent extinction was due to ma C) They usually wipe out 10-20% of Earth's D) The most recent was the most massive. E) The most recent occurred 65 million years	species each time they occur.	ents?
9) Which of the following are characteristics A) long-lived, large size, small numbers of o B) reproduce early in life, short-lived, rapidly C) no parental care, high mortality of juvenil	offspring D) chaotically fluctuating pop y dispersing E) small size, reproduce early	oulation size, close to carrying capacity in life
10) A J-shaped population growth curve A) is evident in populations restrained 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		