Name:		Class:	Date:	ID: A	
Biology (Chapter 15 Test: Evol	ution			
True/False Indicate w	e hether the statement is true	or false.			
1.	A vestigial structure in one organism.	e organism can be def	ined as a reduced form of a	functional structure in another	
2.	Natural selection is based on the concepts of excess reproduction, variation, inheritance, and the advantages of certain traits.				
3.	Darwin developed his theory of evolution exclusively from his work on the Galapagos Islands.				
4.	According to Darwin, the process of natural selection could result in a new kingdom of organisms.				
5.	- u 11 1 · · · · · · · · · · · · · · · ·				
6.	The state of the s				
7.	The state of the s				
9.			ndi <mark>t</mark> ions within which evolu	tion definitely occurs.	
Multiple (Identify th	C hoice e choice that best completes	the statement or answ	vers the question.		
10.	Which answer <i>best</i> shows a. camouflage in a tree is b. the long neck of a girt. an elephant's long trued. migration of birds in	frog affe nk	n to the tropical rain forest?		
11.	Which combination of charge? a. small population, few b. small population, marc. large population, few d. large population, mar	mutations ny mutations mutations	ation would provide the gre	ratest potential for evolutionary	

12. When investigating shell color of a species of snail found only in a remote area seldom visited by humans, scientists discovered the distribution of individuals that is shown in the graph in Figure 15-1. Based on the information shown in the graph, what form of selection is the snail population undergoing?

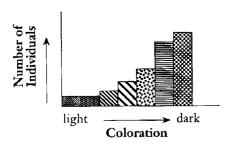


Figure 15-1

- a. stabilizing selection
- b. disruptive selection

- c. artificial selection
- d. directional selection
- 13. What type of adaptation is shown in Figure 15-2?

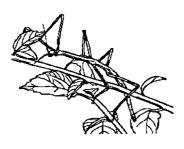


Figure 15-2

- a. mimicry
- b. camouflage

- c. artificial selection
- d. homologous structure
- 14. Which term best describes the structures shown in Figure 15-3?

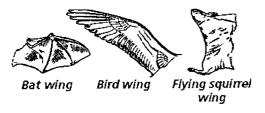


Figure 15-3

- a. homologous
- b. heterologous

- analogous
- d. vestigial

Human hemoglobin is more similar to chimp hemoglobin than mouse hemoglobin.

Human hemoglobin is different than mouse hemoglobin.

c.

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25. On the islands of Hawaii there are a group of about 30 species of highly variable, but closely related, species of plant called silverswords. These species appear to be related to a small group of plants in North America. What are the silverswords an example of?

a. mimicry

b. analogous structures

c. adaptive radiation

d. vestigial structures