Name			

The Theory Of Evolution By Natural Selection (p. 276 – 282)

I. Darwi	n Proposed A Mechanism For Evolution
1.	is the process by which modern organisms descended from ancient organisms. (Not in the book.)
2.	In 1859, who published an explanation for a mechanism driving the process of evolution?
3.	In Darwin's time, most people believed that a species is divinely created and unchanging.
	<u>Circle One</u> : True False
4.	Explain the hypothesis of evolution created by Jean Baptiste de Lamarck.
5.	Circle the letter of the sentence that is <u>false</u> about Darwin's voyage on the HMS <i>Beagle</i> .
	a. Darwin made important observations on the Galapagos Islands, near South America.b. He reported his findings soon after he returned home.c. Darwin read Charles Lyell's book, <i>Principles Of Geology</i>.d. Discovered fossils of extinct animals.
6.	How did the economist, Thomas Malthus, influence Darwin?
7.	Define the term population.
	<u>Population</u> –
II. Evolu	tion By Natural Selection
1.	Define the term natural selection.
	Natural Selection –
2.	Define the term adaptation.
	Adaptation –
3.	List three <u>critical</u> adaptations that you possess as a human.
	1 2 3

4. On The Origin Of Si	pecies, presented a view of evolution that was widely accepton	ed.
Circle One:		
	nents of Darwin's theory of evolution by natural selection.	
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	(Questions $2-5$ are not in the book.)	
1. How does natural se	election affect allele frequencies in populations?	
2. What does the Hardy	y-Weinberg principle state?	
2	occurs when allele frequencies are	constai
J		
	required to maintain genetic equilibrium.	
4. List five conditions r		
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4. List five conditions r	required to maintain genetic equilibrium. 2	
1	required to maintain genetic equilibrium. 2	
1	required to maintain genetic equilibrium. 2 4	
1	required to maintain genetic equilibrium. 2. 4. 4. lation size important for maintaining genetic equilibrium?	
1	required to maintain genetic equilibrium. 2. 4. dation size important for maintaining genetic equilibrium? roductive isolation.	
135. Why is a large popul 6. Define the term representations of the second structure.	required to maintain genetic equilibrium. 2. 4. dation size important for maintaining genetic equilibrium? roductive isolation. olation —	
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1	required to maintain genetic equilibrium. 2. 4. dation size important for maintaining genetic equilibrium? roductive isolation. olation —	anyon