CHAPTER 7 THE THEORY OF EVOLUTION 7.1 BIOLOGICAL CHANGE OVER TIME p. 282

What is the source of genetic variation?	
	Describe the three types of
mutations.	
Neutral	
Harmful	
-	
Beneficial	
Explain why harmful mutations do not accumulate over time populations.	and cause harm to
ARTIFICIAL SELECTION:	
How have modern genetic engineering methods changed a selection of potentially valuable traits?	rtificial
The Power of Artificial Breeding	
n	

#1-3

7.2 THE EVOLUTION OF AN IDEA p. 288

In the mid 1700s, question?	what did Buffon
	Explain Lamarck's principle of use and disuse.
characteristics.	Explain Lamarck's principle of the inheritance of acquired
Explain why Lama	arck's theory is flawed.
understanding of	ck was a student of Buffon. List his three contributions to our evolution.
3	
What is a fossil?	
How are fossils fo	ormed?

Explain the famous paleontologist, Cuvier's (1769 – 1832) observations of the fossil record like the one depicted to the right.
Explain Cuvier's theory of Catastrophism which was his analysis of these observations.
Lyell (1797 – 1875) revolutionized geology with his principles of uniformitarianism in 1830:
p. 293 #4, 5, 10