Life Science (Diversity and Natural Selection) Grade 8 Science Grade 8 Science

Grade 8 Science Grade 8 Science Start Date: January 17, 2014 End Date : January 30, 2014

Content Elaborations The fossil record documents the variation in a s the environment. The fossil record is contained Combining data from the geologic record and th Earth's living history can be interpreted. Data and eviden	Unit Resources Textbook: Chapter 7
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Enduring Understandings (Big Ideas) Diversity of species occurs through gradual processes over many generations. Fossil records provide evidence that changes have occurred in number and types of species.	Connections
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Natural Selection Selection Breeding Speciation	Fossils provide important evidence of how life and environmental conditions have changed.	
	Changes in environmental conditions can affect how beneficial a trait will be for the survival and reproductive success of an organism or an entire species.	
	Throughout Earth's history, extinction of a species has occurred when the environment changes and the individual organisms of that species do not have the traits necessary to survive and reproduce in the changed environment. Most species (approximately 99 percent) that have lived on Earth are now extinct.	

Standards

OH_Academic_Content_Standards - Science (2011) - Grade 8

Strand LS Life Science

Topic LS.1 This topic focuses on continuation of the species.

Content Statement LS.1.2 Diversity of species occurs through gradual processes over many generations. Fossil records provide evidence that changes have occurred in number and types of species.

LS.1.2.a Fossils provide important evidence of how life and environmental conditions have changed.

LS.1.2.b Changes in environmental conditions can affect how beneficial a trait will be for the survival and reproductive success of an organism or an entire species.

LS.1.2.c Throughout Earth's history, extinction of a species has occurred when the environment changes and the individual organisms of that species do not have the traits necessary to survive and reproduce in the changed environment. Most species (approximately 99 percent) that have lived on Earth are now extinct.

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Student Assessment	Unit Refection	
Chapter Test		
Reproduction (Diversity and Natural Selection)		
Content	Skills	Assessment
A. Natural Selection	A. Natural Selection	
	1. Identify two kinds of evidence that show that	
	organisms have evolved	
	2. Explain how comparing organisms can provide	
	evidence that they have ancestors in common	
	3. Describe the four parts of Darwin's theory of	
	evolution by natural selection	
	4. Give examples of natural selection in action	
	5. Outline the process of speciation	