No	ame	_ Date:	Period:		
		s A History			
	tp://www.ucmp.berkeley.edu/education/ex Some scientists estimate that there n animals, plants, and other kinds of org	nay be as many as _	million species of		
2.	Of the species identified today, how r	nany are:			
	Arthropods?	Roundworms?			
	Mollusks?	Flatworms?			
	Mammals?		Land plants?		
	Fungi?	Protists?	Protists?		
3.	If the pictures of the various life forms were of appropriate sizes, which would be the largest?				
4.	The biodiversity that exists on earth today is the result of				
	The easiest way to define evolution takes just three words:				
Cli	ick on one of the images for a peek at li	ife at the sea (Tour	2).		
	470 Million Years Ago - Middle Er				
	sea?	What are a fo	ew of their relatives?		
6.	160 Million Years Ago - Middle Era. What				
	What were two vertebrates that lived in the sea? What are two relatives of ammonites are found in oceans today?				
7.	Evolution has occurred over		The history of the		
	Earth can be traced back				
8.	Explore the calendar to discover some of the other important events. Write the date that is associated with each of the following events				
	Formation of the Earth	Fir	est Fish		
	Dinosaur Extinction	Fir			
	First Dinosaurs	Fir	st Multicellular Life		

Modern Humans

_First Land Plant

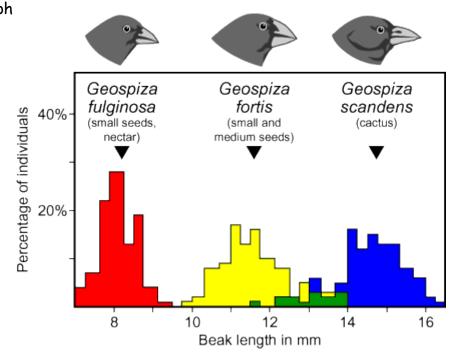
	The best source of evidence is the				
10.	are a great sour	·	·		
	evidence for the history of life on Earth. Fossils are not just bones!				
	organisms may form fossils. Scient Earth's past are called	•	arn more about life ir		
11	Click on the at least three of the fo		of life on Farth and		
•	describe what you find. (Tour 3a)				
	, , , , , , , , , , , , , , , , , , , ,				
	_				
	_				
	_				
13.	Fossils help us to	how life forms are	· · · · · · · · · · · · · · · · · · ·		
14.	The four animals that have related	characteristics are			
			_, and		
15.	Shared help us		· ·		
	these animals share features	from a			
	They are a type o				
16.	Theropods are described as having		- · 		
	,, and				
17.	What features do all members of these groups have in common?				
	A. Therapod -				
	- B. Aves -				
	 C. Neornithes (Modern Birds)- 				
	Neornithes are				
	What is a cladograms?				
	.How is it used by scientists?				
21.	Each on the c		=		
	share special characteristics				
	Cladograms can be used to illustrate		_ relationships and		
	of divergence				
22.	Scientists use cladograms to infer		two organisms		
	shared a common ancestor, the more	•			
	To which animal are the crane and e	•			
4 4.	Scientists examine several lines of a		•		
	among organism. You have just exart they have inhanited contain physical	<u> </u>	ms are related decaus		
	they have inherited certain physical	reatures.			

Scientists can also use:			
25.All populations have individual diff	ferences or	·	
26. Without variation,	cannot happen.		
27. Even though related organisms inhwithin populations.	nerit common features,	exist	
28. One example of variation is the _			
visited the Galá	. •	•	
number of different finch species that existed in such a small area. Each group of			
finches was adapted to different_		· · · · · · · · · · · · · · · · · · ·	
and			
29. Variation affects how an organism	n can live and exploit (take	advantage) of its	

environment. This bar graph shows the difference in beak sizes among three different Galápagos finch species.

Write the correct

Write the correct statement that describes the graph.



30. Think about what would happen if the environment changed and only plants with larger, harder seeds survived. How do you think that might affect the population of Geospiza fortis finches?

31. ______ is not the only mechanism of evolution.

	Anything that changes the make-up of a population, such as genetic and isolation, can influence evolution.					
	2.Who is credited with publishing the theory of natural selection? 3. Scientists estimate that% of all species that have ever lived are now extinct.					
34.	Click the trilobite photo, and then summarize their life history.					
	- What are trilobites?					
	- When did the first trilobites appear on Earth?					
	- When did trilobites become extinct?					
35.	Click the Lambeosaurus photo					
	- What are Lambeosaurus?					
	– When did the first Lambeosaurus appear on Earth?					
	- When did Lambeosaurus become extinct?					
36.	Click the ammonite photo, and then summarize their life history.					
	- What are ammonites?					
	- When did the first ammonite appear on Earth?					
	- When did the ammonite become extinct?					
37	Click the box with several animals to explore a few extinct species from recent times.					
	- Where did the quagga live?					
	- When did they become extinct?					
	– What caused the extinction of passenger pigeons?					
	– What threatened the golden lion tamarin?					
	- What is being done to save them from extinction?					