CABULARY		
evolution	fossil	gradualism
species	catastrophism	uniformitarianism
Scientist	Contribution to Evolutiona	ry Theory
1. Linnaeus		
2. Buffon		
3. E. Darwin		
4. Lamarck		
		imals to be considered the sam

MAIN IDEA: Theories of geologic change set the stage for Darwin's theory.

8. Write a description of each theory in the space provided.

Geologic Theory	Description
catastrophism	
gradualism	
uniformitarianism	

Vocabulary Check

9. What word refers to traces of an organism that existed in the past?	

10	. What is the pr	rocess of b	iological cl	nange by	which	descendants	come to	differ	from	their
	ancestors?									

1 1	Examta anah	ag voloopoog	floods	and corthaual	og oro the h	socia of m	that goalagi	a thaary?
1 1	. Events such	as voicanoes,	1100us,	and earthquak	es are the o	0a515 01 W	mai geologi	c meory!

12.	What geologic	theory can	be summarized	by the phrase	"the present is	the key to	o the
	nast"?			_	-		

Who's Who?

Linnaeus	L	.amarck	Buffon	E. Darwin
	13.	Charles Dar	win's poetic grandfa	ather
	14.	Thought that in trees	t a giraffe's long neo	ck evolved from reaching high
	15.	Grouped livilooked like	ing organisms into c	categories based on what they
	16.	Wrote Histo	<i>rie Naturelle</i> (Natur	ral History) in 1749'

Study Guide 10.2: Darwin's Observations

KEY CONCEPT

Darwin's voyage provided insights into evolution.

VOC	ABULARY	
	variation	adaptation

	variation	adaptation	
MΑ	IN IDEA: Darwin obse	rved differences among island species.	
1.	What is variation amor	ng members of different species called?	
2.	What is variation amor	ng members of the same species called?	_
3.	What island chain in S	outh America was the source of many of Darwin's insignation	- ghts?
4.	Darwin saw population What did this suggest?	ns of various species that seemed well-suited to their en	– vironment.
		rved fossil and geologic evidence supporting an ancier ls of huge animals such as <i>Glyptodon</i> , a giant armadillot to him?	
6.		00s thought that Earth was only about 6000 years old. I in saw lead him to think Earth must be much older than	
7.		fossil shells of marine organisms high up in the Andes move land that was underwater above sea level. How olution of organisms?	
			_

Vo	cabulary Cl	neck	
	variation		adaptation
		9.	the difference in the physical traits of an individual from the of other individuals in the group to which it belongs
		10.	a feature that allows an organism to better survive in its environment
	11.	11.	A tortoise population lives in an area with high grass. These tortoises have longer necks than tortoises that live in other a The long necks are an example of this.
		12.	One bird in a population has a slightly thicker beak than its relatives. This thicker beak is an example of what in the population.

Food choice	Sketch
Eats large, hard-shelled nuts	
Eats fruit and insects	