Name		Class	Date _		
Directed	Reading B continued				
9 . What h	voothesis did Darwin	develop about the Galár	agos finches	s?	
Danui	n hypothesized that the isle	and finahaa daagaandad from Sa		•	
Ameri	can finches. He proposed t	that the first finches on the islan	ds		
<mark>were</mark> that th	olown there from South Am the finches evolved adaptation	erica by a storm. His hypothesis ons for the various island	s is		
<mark>enviro</mark>	nments over many generat	tions.			
Match the	correct description wi	th the correct term. Write	the letter in	the space	
provided.					
inciple 10.	the idea that human p	populations can grow	a. Lyell's t	a. Lyell's theory	
	laster than the 1000 s	supply	b. selectiv	ve breeding	
theory 11.	the idea that Earth ha over a long period of	ad formed naturally time	c. Malthu	s's principle	
elective reeding	the practice of breedi to have desired traits	ing plants and animals			
13. Why do	farmers and breeder	s use selective breeding?	2		
<mark>farme</mark>	ers and breeders can get m	ore money by selling			
Ex. b	and livestock with desired igger tomatoes, and cuter r	traits. Supples and cows with more me	eat on them		
14 . Why m	ight selective breedin	g be used in horses?			
Horses	with a better pedigree with	desired traits are selected to br	reed		
[−] so that	the next generations of hor	ses will be stronger and faster, o	especially		
in a time	• without cars and tractors.				
15. Why m	ight selective breedin	g be used in fruit trees?			
Trees f	hat make bigger fruit faster /e a bigber appual vield. Th	, will be bred so that whole crop is makes more money for farme	DS		
and ca	n reduce the price of fruit.				
16. After re	eading Malthus's theo:	ry, Darwin realized that a	any species c	an	
produc	e many _ offspring				
17. The po	pulations of all specie	es are limited by starvatio	on, disease. r	oredation.	
or con		•		,	
10 Dorurin	reasoned that surviv	- ors had traits that helped	l them		
10. Dai wii					

in their environment.

Name	_ Class	Date
Directed Reading B continued		

19. Darwin believed that offspring of these survivors inherit

the <u>traits</u> that help them survive.

20. What idea of Darwin's about species was supported by Charles Lyell's book?

Darwin reasoned that if Earth were very old, then there would be	
enough time for organisms to slowly change.	

DARWIN'S THEORY OF NATURAL SELECTION

21. What was the name of Darwin's famous book?

The Origin of Species

22. What theory did Darwin introduce in the book?

The theory of natural selection.

23. What is natural selection?

Match the correct description with the correct step in natural selection. Write the letter in the space provided.

overproduction 24. Many more offspring are produced than will survive.	a. inherited variation b. struggle to survive					
inherited variation 25. No two offspring are alike.	c. overproduction					
struggle to survive 26. Many offspring will be killed before reproducing.	d. successful reproduction					
successful reproduction 27. The best adapted organisms will have many offspring that survive.						
28. List two things that Darwin did not know in relation to his theory.						
1. Darwin did not know what the source of the variation in the Now we know that it is genetic mutation.	traits was,					