Name	Date	Class

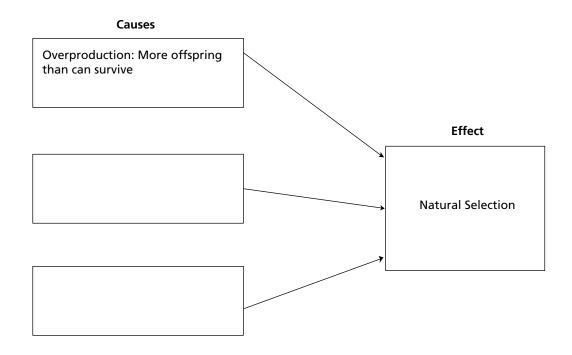
Changes Over Time • Guided Reading and Study

Darwin's Theory

This section discusses Charles Darwin and his theories of evolution, which are based on what he saw during his trip around the world.

Use Target Reading Skills

In the graphic organizer, identify factors that cause natural selection.



Darwin's Observations

1.	Is the following sentence true or false? Charles Darwin was not sur-
	prised by the variety of living things he saw on his voyage around the world.
	World.

2.	A group of similar organisms that can mate with each other and produc
	fertile offspring is called a(n)

- **3.** A(n) ______ is the preserved remains or traces of an organism that lived in the past.
- **4.** Is the following sentence true or false? Darwin observed the greatest diversity of organisms on the Galápagos Islands.

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Da	Darwin's Theory (continued)			
Galápagos Organisms				
5.	Circle the letter of each sentence that is true about Darwin's observations.			
	a. Many Galápagos organisms wo America.	ere similar to organisms on r	nainland South	
	b. Iguanas on the Galápagos Islar	nds had small claws for climb	oing trees.	

- c. Darwin thought the ancestors of Galápagos animals and plants came from mainland South America.
- **d.** All tortoises living in the Galápagos Islands looked exactly the same.
- Darwin noticed many differences among similar as he traveled from one Galápagos island to the next.

Look at the bird beaks below. Match the bird beaks with the kind of food the bird eats.

Kind of Food		Bird Beaks	
 7. insects8. seeds	a.		b.
		·.	1

9. A trait that helps an organism survive and reproduce is a(n)

Evolution

- **10.** Circle the letter of each sentence that is true about Darwin's conclusions.
 - a. Darwin understood immediately why Galápagos organisms had many different adaptations.
 - **b.** Darwin thought that Galápagos organisms gradually changed over many generations.
 - **c.** Darwin believed that evolution had occurred on the Galápagos Islands.
 - **d.** Selective breeding helped Darwin understand how evolution might occur.

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11.	Circle the letter of the term that mean explains many observations. a. idea b. evolution c. scientific theory d. hypothesis	ns a well-tested concept	that		
Na	tural Selection				
12.	2. In his book, <i>The Origin of Species</i> , Darwin explained that evolution occurs by means of				
13.	3. Is the following sentence true or false? Individuals with variations that make them better adapted to their environment will not survive.				
	tch the factors that affect the process cinitions.	of natural selection with	their		
	Definitions	Factors			
	14. Effect caused by limited food and other resources.	a. overproductionb. competition			
	15. Differences between individuals of the same species	c. variations			
	_ 16. Effect caused by species producing more offspring than can survive.				
17.	Is the following sentence true or false genes can be acted upon by natural s	•	ntrolled by		
18.	Is the following sentence true or false mutations.	? Darwin knew all about —	genes and		