Name	Class	Date

Skills Worksheet

Vocabulary and Section Summary B

Time Marches On VOCABULARY

After you finish the section, try this puzzle! Use the clues below to fill in the blanks. Then, unscramble the letters in the numbered blanks to answer the question on the next page.

1. the death of every member of a species

20 4 6 28

2. the standard method used to divide Earth's long natural history into manageable parts

<u>19</u> <u>15</u> <u>25</u>

3. what eras are divided into

17 29

4. the largest divisions of geologic time

3 27

5. the second-largest divisions of geologic time

12 2

6. what periods are divided into

7 24 10

7. the process of organisms using sunlight to produce their own food

8. a layer of gas in the upper atmosphere that absorbs harmful radiation from the sun

Nam	e						_ Cla	ass			Date
Vo	cabı	ulary	and S	ection	ո Sun	nmary	B cor	ntinued	1		
9. (orgai	nisms	that o	contai	n a nu	cleus	and o	ther s	structı	ıres in	their cells
-		9		5		18					
10. s	singl	e-celle	ed org	anism	s that	lack	a nuc	leus			
-											
				cribes t spec		xtincti	on of	all the	e dino	saurs	and about half of the
-	1	2	3	4	5	6	7	8	9	10	_
-	11	12	13	14	15	16	17	18			
-	10	20	 91			 24		 26		 28	

SECTION SUMMARY

Read the following section summary.

- The geologic time scale divides Earth's 4.6 billion-year history into time intervals. These intervals include eons, eras, periods, and epochs.
- At certain times in Earth's history, the number of different kinds of organisms has increased or decreased dramatically.
- Life on Earth developed more than 3.6 billion years ago, during Precambrian time. After cyanobacteria added oxygen to the atmosphere, more-complex forms of life evolved.
- A variety of marine organisms appeared at the beginning of the Paleozoic Era in what is called the Cambrian explosion. Near the end of the Paleozoic Era, the Permian extinction resulted in the disappearance of many organisms from the fossil record.
- Dinosaurs dominated Earth during the Mesozoic Era. They all became extinct during the Cretaceous-Tertiary extinction.
- Mammals have dominated the Cenozoic Era. Modern humans appeared during this era.

Name	Class	Date
Skills Worksheet		
Directed Readin	g B	
	<u> </u>	
Section: Change over	Time (pp. 298–305)	
1. One way to tell kinds of an	nimals apart is by their $_$	
DIFFERENCES BETWEEN ORG	GANISMS	
b. It improves its alc. It improves its al	on help an organism? nism change colors. bility to survive and reprobellity to change species. nism become a fossil.	
3. If living things have the same	e the same characteristic	es, they may be members of
a. evolution.b. planet.	c. speci d. fossi	ies. l record.
4. Two organisms that can ma	ate to produce offspring	that can reproduce
belong to the same 5. When members of the sam a(n)	ne species live in the sam	ne place, they form
6. Since life began on Earth, many new ones have appear	•	have vanished and
7. Scientists have observed the over time.		
8. The inheritedover time.	in popula	tions also change
9. What can result as populat	ions of organisms chang	ge?
10. The process in which popu	ulations change over tim	e is called
EVIDENCE OF CHANGES OVE	R TIME	
11. Where is evidence t a. within Earth's cr	_	_

b. on the Internet

d. in old books