Skills Worksheet

Name _

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.





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23

8



11. What event describes the extinction of all the dinosaurs and about half of the animal and plant species?

11



16

13

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.

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Name		Class	Date
Skills Worksheet			
Directed	Dooding D		
Directed	Reading D		
Section: Chan	nge over Time	pp. 298–305)	
			<mark>differences</mark>
1. One way to tell	l kinds of animals ar	part is by the	ir
DIFFFRENCES BET	IWFEN ORGANISM	S	
D 2. How do	es adaptation help a	an organism?)
a. It hel	lps the organism cha	ange colors.	ronroduco
D. It imp	proves its ability to	change speci	ies
d. It hel	lps the organism be	come a fossil	l.
species 7 If living	things have the can	no charactari	stigg thay may be members of
the sam	e unigs have the same		sucs, mey may be members of
a. evolu	ition.	C. SI	oecies.
b. plane	et.	d. fo	ossil record.
4. Two organisms	that can mate to pr	oduce offspi	ring that can reproduce
belong to the s	ame <mark>species</mark>		
5. When members	s of the same specie	s live in the	same place, they form
populatio	i <mark>n</mark>		
a(n)	•	species	
6. Since life began	n on Earth, many		have vanished and
many new ones	s have appeared.		
7 Scientists have	observed that spec	ies have <mark>ch</mark>	anged
over time	observed that spee.		
over unite.	characteristics		
8. The inherited _	Characteristics	in pop	ulations also change
over time.			
9. What can result	t as populations of o	organisms ch	nange?
new species can	<mark>n form</mark>		
10. The process in	which populations	change over	time is called
		0100180 0101	
	NINCS OVER IIIVIE		
lence 11. Where it	s evidence that orga	anisms have	changed over time buried?
a. withi	in Earth's crust	c. ir	n water
D. on th	ie miernet	a. 1r	I OIU DOOKS