Name	Class	Date
Section 17–3 Evol	ution of Multicellula	r Life (pages 429-434)
This section describes how m its present-day diversity.	ulticellular life evolved from its ear	liest forms to
Precambrian Time (pa	age 429)	
	ce true or false? Almost 90 perce:	nt of Earth's history occurred
<b>2.</b> Circle the letter of each	sentence that is true about life	in the Precambrian.
<b>a.</b> Anaerobic and pho	osynthetic forms of life appeare	ed.
<b>b.</b> Aerobic forms of lif	e evolved, and eukaryotes appe	ared.
<b>c.</b> Multicellular life for	rms evolved.	
<b>d.</b> Life existed on the l	and and in the sea.	
<b>3.</b> Why do few fossils exi	st from the Precambrian?	
Paleozoic Era (pages 42	9–431)	
<b>4.</b> The first part of the Pa	leozoic Era is the	Period.
5. Is the following senten	ce true or false? Life was not ve	ry diverse during the
Cambrian Period		
<b>6.</b> Circle the letter of each	sentence that is true about the	Cambrian Period.
a. Organisms with har	d parts first appeared.	
<b>b.</b> Most animal phyla	first evolved.	
c. Many animals lived	on the land.	
d. Brachiopods and tri	lobites were common.	

Match the periods of the Paleozoic Era with the evolutionary events that occurred during them.

## Periods 7. Ordovician and Silurian 8. Devonian 9. Carboniferous and Permian

## **Events**

- **a.** Reptiles evolved from amphibians, and winged insects evolved into many forms.
- **b.** The first vertebrates evolved, and insects first appeared.
- **c.** Many groups of fishes were present in the oceans, and the first amphibians evolved.

Naı	me	Class	Date			
	Animals first begin to invade the land during the Period.  Where does the Carboniferous Period get its name?					
12.	. When many types of living things become extinct at the same time, it is called a(an)					
13.	Is the following sentence true or false? The mass extinction at the end of the Paleozoic affected only land animals					
Me	esozoic Era (pages 431–432)					
14.	Complete the compare-and-contra	ast table.				
	PERIODS	OF THE MESOZOIC E	RA			
Period		Evolutionary E	Event			
		First mammals				
		First birds				
		First flowering	plants			
16. 17.	The Mesozoic Era is called the Ag The first dinosaurs appeared in th Is the following sentence true or f small.  Is the following sentence true or f	alse? The mammals of	_ Period. the Triassic Period were very			
	relatives of dinosaurs.	• •				
	. The dominant vertebrates throughout the Cretaceous Period were					
20.	O. What advantage do flowering plants have over conifers?					
21.	Describe the mass extinction that occurred at the end of the Cretaceous Period.					

Naı	me	Class	Date			
Ce	nozoic Era (pages 433–434)					
22.	Is the following sentence true or false? During the Cenozoic Era, mammals evolved adaptations that allowed them to live on land, in water, and in the air.					
23.	The Cenozoic Era is called the Age of					
24. What were Earth's climates like during the Tertiary Period?						
25.	How did Earth's climate change d	uring the Quater	nary Period?			
26.	· ·	•	est ancestors of our species appeared			
	about 100,000 years ago.					