Name	Class	Date
Skills Worksheet		
Directed Read	ing	
Section: Precambria	an Time and the Pa	leozoic Era
1. Where is the geologic h	istory of Earth recorded?	
2. What kind of information	on can scientists get from t	the types of rock and the
fossils in a rock layer?		
EVOLUTION		
	ent of new organisms from	other organisms since the
	ed	
	neory of evolution by natur	
by whom?	v	1 1 /
5. Climatic and geologic of	changes could affect an org	anism's ability
to		
6. What do scientists stud	ly to learn why some organ	isms survived over long
periods and others because		G
-		
PRECAMBRIAN TIME		
7. What is a nebula	a?	
a. the newly for		
b. a large cloud		
c. a star d. a planet		
_	ul C 9	
8. When did the Ea		
a. about 540 mi b. about 4.6 bill	-	
c. after Precam	v e	
d. before Precar	mbrian time	

Name	Class	Date
Directed Reading continued		
9. The time interval thata. the Cenozoic Era.b. the Mesozoic Era.c. the Paleozoic Era.	began with the form	nation of Earth is called
 d. Precambrian time. 10. When did Precambrian a. about 4.6 billion ye b. about 540 million ye c. about 10 billion yea d. about 88 million ye 	ars ago ears ago ars ago	
a. 3 million years ago b. 540 million years ago c. 1 million years ago d. 10,000 years ago	did Precambrian tim go	e end?
12. About how much of E a. 20% b. 40% c. 50% d. 88%	arth's history occurr	red during Precambrian time?
 a. no rocks exist from b. Earth did not exist. c. no organisms exist. d. Precambrian rocks be identified. 	n that time. ed so there are no fo	ossils.
14. A large area of exposed Preca	ambrian rocks is cal	led a
15. Name four things that cause	the formation of shie	elds.
16. How much of the world's mir		

Name		Class	Date
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17. What va	aluable minerals are found	l in the rocks o	of Precambrian shields?
18. Name th	hree possible reasons why	fossils are rar	re in Precambrian rocks.
19. Precam	brian fossils consisting of	reeflike depos	sits formed by blue-green
algae ar	e called	·	
_	do stromatolites form toda		
	pes the presence of strom	atolite fossils i	n Precambrian rocks indicate?
	When did the Paleozoic E a. before Precambrian time b. after Precambrian time c. before Earth was forme d. after the Mesozoic Era	ne	
i 1	Approximately when did t a. 540 thousand years ago b. 248 million years ago c. 540 million years ago d. 3.9 billion years ago		lra begin?
	Approximately when did to a. 540 thousand years ago b. 5,000 years ago c. 5 million years ago d. 248 million years ago		lra end?
i 1	When the Paleozoic Era b a. arranged much as they b. located in a single regio c. unstable due to tectoni d. scattered around the w	are today. on of the world c activity.	

Name		Class	Date
Directed Read	ding continued		
a. cc b. cc c. di	ne end of the Paleozoi ollapsed and dropped ollided to form a super sappeared as a result st all of their mineral	below sea level rcontinent calle of tectonic acti	ed Pangaea.
a. Pa b. Pa c. Pa	do Paleozoic rocks di aleozoic rocks contain aleozoic rocks are mu aleozoic rocks were fo aleozoic rocks are fou	n many fossils. ch older. ormed by tector	nic activity.
28. How a. fo b. si: c. se d. th	x even	Paleozoic Era di	ivided into?
a. Pe b. Ca c. Si	t is the first period of ermian Period ambrian Period lurian Period arboniferous Period	the Paleozoic E	ra called?
Cam a. pr b. m c. m	ch of the following org brian Period? rimitive organisms ammals arine life-forms arine vertebrates	ganisms appeare	ed during the
In the space pro term or phrase.	ovided, write the letter	of the descripti	ion that best matches the
31. brac	hiopod	a. a fossil that	scientists use to date rocks
32. inver	rtebrate		mmon Cambrian invertebrate
33. index	x fossil	c. a shelled an Cambrian P	imal common during the eriod
34. trilol	oite	d. an animal th	nat does not have a backbone

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Directed Reading continu	ed	
· · ·		
35. Evidence of what type	of organism has NOT been	found in Cambrian rocks?
In the space provided, write term or phrase.	e the letter of the description	on that best matches the
36. vertebrate	a. one of the domin during the Ordov	nant invertebrate life-forms vician Period
37. cephalopod	b. an animal that h	
mollusk	c. a tiny invertebra	te that lived in the ocean
38. graptolite	during the Ordov	
39. How did Ordovician fis	h differ from modern fish?	
40. A scorpion-like sea creating the41. In what period did the sea creating the		
42. Another name for the I	Devonian Period is the	
In the space provided, write term or phrase.	e the letter of the description	on that best matches the
43. rhipidistian	a. the first amphibians	
44. Ichthyostega	b. an air-breathing fish crawl to land	with strong fins that could
45. lungfish	c. a fish with the ability	y to breathe air
46. Name three types of pla	ants that began to develop	during the Devonian Period
47. Briefly describe the clin	mate during the Carbonifer	rous Period.

Nan	ne	Class	Date
D	irected Reading continued		
48.	Briefly describe the landscap	e during the Carbon	iferous Period.
49.	What does the word <i>carboniy</i>	ferous mean?	
50.	Into what periods is the Carb	oniferous Period di	vided in North America?
51.	What organism from the Carbancestor of the sea star?	ooniferous Period is	thought to be the modern
52.	What did the vertebrates that Period look like?	appeared at the end	d of the Pennsylvanian
53.	Which period marks the end	of the Paleozoic Era	.?
54.	What event occurred at the enumber of Paleozoic life-form		eriod that affected a large
55.	What had happened to the co	ntinents by the end	of the Permian Period?
56.	What environmental changes	had occurred by the	e end of the Permian Period?
57.	Name two marine invertebratenvironmental changes at the		
58.	What animals survived the en Permian Period?	vironmental change	es at the end of the