Name	Date	Section
	Earth Science Unit 2 Earth's	History
<b>Title:</b> Activity 8 The G		
Challenge Question: V	Vhat is the geologic time scale?	
Background: Could a mo	ass extinction take place in the future? E	Explain.
Materials:		
The Dynamic Earth bo	nok	
The Dynamic Earth bo	70K	
Vocabulary: Define the	e following terms in your own words.	
Term	Definition	Picture or Example
geology		
geology		
geologic time		
scale		
Procedures:		
	in the <i>Dynamic Earth</i> book.	
	- 3, 5 – 14, and 16 from the reading.	
·	page 129, questions 1 - 9.	
	or the Vocabulary. Answer Analysis Ques	tions
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Data/Results: (Write)	your responses to the book questions on a	a separate sheet of paper.)
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Analysis Questions:		
*	about the different rock layers in the Gro	and Canyon? Why do you think these
differences exist?		

2. What defines intervals of time on the geologic time scale? Which is a larger unit of geologic time, an epoch or an era? Why don't we have many fossils from life forms during Precambrian time? Why does more information exist for later geologic time division?
3. How did cyanobacteria affect Earth's atmosphere during the Proterozoic eon?
4. How did Earth's oceans form?
5. What is the "Cambrian Explosion"?
6. What made Pangaea drift toward and away from the South Pole? Is this an example of a process that supports catastrophism or uniformitarianism? Explain.
7. Why is the Phanerozoic eon divided into smaller units of time than the eons in Precambrian time? How did geologists decide on the lengths of the smaller time divisions in the Phanerozoic eon?