Handout 1 (pink) Geologic History Standard 2.5	Name	Period
Chapter 8: Section 1: Directed F	Reading Pages 1	85-190
RELATIVE AGE (page 186) 1. What type of rock is commonly used by s	scientists to determine	e the relative age of rocks?
2. When do sedimentary rocks form?		
3. What does the law of superposition helps	s scientists determine	?
UNCONFORMITIES (page 189) 4. According to the law of superposition, whunconformity?	nat is the age relations	ship of rocks on either side of an
5. How does a nonconformity form?		
6. What law do scientists apply to determin	e relative ages of rock	when they find faults or intrusions?
7. What is the relative age of a fault or igne	ous intrusion that cuts	s through an unconformity?
Chapter 8: Section 3: Directed F	Reading Pages	197-200
INDEX FOSSILS (page 200) 8. Fossils that are found only in the rock lay	yers of a particular ge	ologic period are called
9. What is most important about the feature	es of an index fossil?	
10. The organisms that form index for a. during a short span of geologic time. for about 2 million years 11. How commonly distributed must the for	me. b. during a lo	ong span of geologic time. span of geologic time, long or short. in order to be considered an index fossil?
12. Rock layers in which index fossils organisms that formed the index fos a. for a long span of geologic time. c. all over Earth.	ssils lived	of geologic time.

13. How can scientists use index fossils to determine the absolute age of rock layers in different parts of

the world?

Chapter 9: Section 1: Directed Reading Pages 211-213

GΕ	OLOGIC TIME	(pag	ge 211)
14	Where can we	find	eviden

extinct?

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14	vynere can	We find evidence	ot changes in d	conditions on Far	tn's surtace /
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15.	What	is	the	purpose	e of	the	geo	logic	time	scale?
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THE GEOLOGIC COLUMN (page 211) 16. The ordered arrangement of rock layers is called a(n)	
17. In a geologic column, the oldest rocks are located at the	of the column.
18. How do the fossils in the upper layers of a geologic column differ from those in	n the lower, older layers?
19. What method has enabled scientists to determine the ages of rock layers more	e accurately?
DIVISIONS OF GEOLOGIC TIME (page 212) 20. What three indicators do geologists use to divide the geologic time scale into s	smaller units?
21. How are rocks grouped within each unit of geologic time similar?	
22. Identify the era, period, and epoch we are in today.	
Chapter 9: Section 2: Directed Reading Page 215 23. Where is the geologic history of Earth recorded?	
24. What kind of information can scientists get from the types of rock and the foss	ils in a rock layer?
EVOLUTION (page 215) 25. The gradual development of new organisms from other organisms since the be	eginning of life is called
26. Climatic and geologic changes could affect an organism's ability to	·
27. What do scientists study to learn why some organisms survived over long peri	ods and others became