

Chapter 11

Text Pages 314–315

STUDY GUIDE

● Before Pangaea, Rodinia

Complete each statement from your textbook on the lines provided.

1. Edges of some continents look as if they would _____ .
2. People wondered if these continents had been _____ .
3. In 1915, Alfred Wegener proposed an idea called _____ .
4. This idea states that continents moved through the _____ .
5. Wegener thought that long ago the continents formed _____ .
6. He named it Pangaea, which means _____ .
7. Wegener's idea was rejected. The idea was so different that _____
_____ .
8. Today Wegener's ideas about continental drift are _____ .
9. Today some people still have trouble _____ .
10. One new idea that is still being debated explains _____ .
11. Walter and Luis Alvarez think that a large rocky object _____ .
12. This collision threw _____ .
13. The dust blocked the _____ .
14. This caused _____ .

Answer the questions on the lines provided.

15. Explain how Pangaea fits into Wegener's theory of continental drift. _____

16. State one reason why Wegener's ideas about continental drift were not believed.

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REINFORCEMENT

● Before Pangaea, Rodinia

Answer the following questions on the lines provided.

1. What was Rodinia? _____

2. Where did scientists find evidence about Rodinia? _____

3. How do scientists study evidence for the formation of Rodinia? _____

4. List two kinds of evidence for the relationship of East Antarctica and the North American Plate about 540 million years ago. _____

5. What does the computer model indicate happened to Rodinia 750 million years ago? _____

6. When did Pangaea form? _____
7. What does evidence from volcanic rocks and Paleozoic fossils indicate on the computer models? _____

8. What does the computer model indicate happened to the continental plates between 750 and 260 million years ago? _____

9. What do the simulations indicate happened to the North American Plate after it broke away from East Antarctica? _____

10. What evidence was used in the computer simulations to indicate what happened to the North American Plate? _____

