

Plate Tectonics - A Scientific Theory Unfolds

Overview of the Chapter:

1. Before reading or looking at the chapter, write down what you know about Continental Drift and Plate Tectonic theory - from prior experiences
 2. Write down 3 questions of your own that you want to know about Continental Drift and Plate Tectonics
 3. Look through the chapter and find 5 figures that capture your interest and briefly describe your each figure.
 4. Write a question (before you read each paragraph) for various paragraph headings in which you want to know the answer.
-
1. Describe the differences between Continental Drift and Plate Tectonics
 2. Describe at least three lines of evidence that Alfred Wagner proposed suggesting continents are in fact drifting
 3. Explain why Alfred Wagner's theory of continental drift was not accepted during the 1920's when he proposed it?
 4. Briefly describe the theory of Plate Tectonics and the year this theory became widely popular.
 5. What are the three types of plate boundaries? **DRAW** a diagram of each boundary and explain the general movement (you might want to use a separate piece of paper for this one)
 6. Besides Alfred Wagner's evidence for continental drift, what modern evidence supports the theory of Plate Tectonics
 7. What types of models have been proposed to explain the driving force that moves the plates?