

## EP -5

### Plate Tectonics – A Scientific Theory Unfolds

#### Overview of the Chapter:

1. Before reading or looking at the chapter, write down what you know about plate tectonics – from prior experiences
2. Write down 3 questions of your own that you want to know about Plate Tectonics.
3. Look through the chapter and find 5 figures that capture your interest and briefly describe your each figure.
4. Read the “*Did you Know*” captions and briefly describe at least 2 “*Did You Know*” passages
5. Write a question (before you read the paragraph) for various paragraph headings that catch your interest.

#### The Chapter Content

1. Describe the differences between Continental Drift and Plate Tectonics
2. Describe at least three lines of evidence that suggest continents are in fact moving
3. Explain why Alfred Wagner’s theory of continental drift was not accepted during the 1920’s when he proposed it?
4. What is the theory of Plate Tectonics –
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. What evidence is used to support the theory of Plate Tectonics
7. What types of models have been proposed to explain the driving force that moves the plates?