#### **HOW DO PLATE TECTONICS MOVE?**

Scientists are still exploring how and what exactly makes tectonic plates move. There is different evidence that these are moving (i.e. GPS measurements). Here are some of them:

### CONVECTION THEORY

The convection of the mantle materials involves the rise of magma or molten rocks in the mantle and sinks to the core as it cools down.



This process was believed to be the cause movement of plates, which resulted in volcanic eruptions and earthquakes.

The temperature of the core is about 6,000 degrees Celsius

## RIDGE PUSH AND SLAB PULL

Plates move away from each other when the lithosphere slides down away from the ridge. This is **ridge push**. As plates move apart, it cools down to form a new plate material, and the lithosphere cools down and becomes denser.

The dense plate sinks back to the mantle due to gravity. This process is called slab pull.



Molten rock or magma rises in the mantle under the ocean ridges, which causes the plates to move apart.

# **Answers For Wordwise Plate Tectonics**

**Michael Rajnik** 

## **Answers For Wordwise Plate Tectonics:**

**Ward's Business Directory of U.S. Private and Public Companies**, 1999 This multi volume set is a primary source for basic company and industry information Names addreses SIC code and geographic location of over 135 000 U S companies are included *Plate tectonics*, 2004 **Plate tectonics** X. le Pichon, 1976

This book delves into Answers For Wordwise Plate Tectonics. Answers For Wordwise Plate Tectonics is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Answers For Wordwise Plate Tectonics, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to Answers For Wordwise Plate Tectonics
  - Chapter 2: Essential Elements of Answers For Wordwise Plate Tectonics
  - Chapter 3: Answers For Wordwise Plate Tectonics in Everyday Life
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  - ∘ Chapter 5: Conclusion
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- 6. In chapter 5, this book will draw a conclusion about Answers For Wordwise Plate Tectonics. The final chapter will summarize the key points that have been discussed throughout the book.
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