



Name: _____ #: _____

Date: _____

Section: _____ HR: _____

Chapter 1 Section 5: The Theory of Plate Tectonics

Introduction

J. Tuzo Wilson -

plates -

A Theory of Plate Motion

The theory of plate tectonics combine what geologists knew about

scientific theory -

plate tectonics -

- _____
- _____
- _____

How can Earth's plates move?

What do plates do that produce spectacular changes in Earth?

- _____
- _____
- _____

These changes include:

- _____
- _____
- _____

Guide For Reading

What is the theory of plate tectonics?

Plate Boundaries

faults -

Convergent Boundaries

Convergent boundary -

What determines what plate sinks or comes out on top?

What occurs when plates carrying oceanic crust collide?

What occurs when plates carrying oceanic and continental crust collide?

What occurs when plates carrying continental crust collide?

- _____

Checkpoint (Page 46)

What types of plate movement occur at plate boundaries?

The Continent's Slow Dance

Plates move at a rate between...

_____ and _____ cm per year.