

7th Grade Study Guide

Chapter 10

Plate Tectonics

CONTINENTAL DRIFT Section 1

- Describe Wegener's theory of continental drift.
- Identify Pangaea.
- List and describe Wegener's evidence for drift: fossil clues, climate clues and rock clues.
- Explain why Wegener's idea was not initially believed.

SEAFLOOR SPREADING Section 2

- Describe Hess's theory of seafloor spreading.
- List and describe evidence of seafloor spreading: mid-ocean ridges, and magnetic clues.

PLATE TECTONICS Section 3

- Describe the theory of plate tectonics.
- Show how plate tectonics incorporates both continental drift and seafloor spreading; show what ideas are unique to this theory: convection currents, types of plate boundaries and features caused by boundaries.
- Identify the lithosphere and asthenosphere.
- Share how scientists today test and monitor plate tectonics.



"I've heard of continental drift, but this is ridiculous."