

7th Grade Study Guide

Chapter II

Earthquakes

FORCES INSIDE THE EARTH Section 1

- Define elastic limit and elastic deformation.
- Describe what a fault is and its relationship to plate boundaries.
- Show the locations where most earthquakes occur.
- Identify the three types of faults.

FEATURES OF EARTHQUAKES Section 2

- Define seismic wave.
- Compare and contrast the characteristics of primary, secondary, and surface waves.
- Define epicenter and focus.
- Explain how seismologists record information from an earthquake.
- Demonstrate how seismologists locate the epicenter of an earthquake.
- Identify the layers of the inside of the earth and explain how scientists obtained this information.

PEOPLE AND EARTHQUAKES Section 3

- Compare and contrast the Richter magnitude scale, and the Mercalli intensity scale.
- Define liquefaction.
- Explain the cause of a tsunami.
- List actions that can be taken to limit casualties in an earthquake.



"I don't know what it measured. The Richter Scale is down there."