

# Earth Science 11

## Unit 3 – Plate Tectonics

### Day 4 – Earthquakes and Tsunamis

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Block: \_\_\_\_\_

Earthquake: \_\_\_\_\_

\_\_\_\_\_

Stress: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Strain: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Folds: \_\_\_\_\_

\_\_\_\_\_

Seismic Waves: \_\_\_\_\_

\_\_\_\_\_

Types of Breaks in rocks:

Fracture: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Fault: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Elastic Rebound Theory: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Aftershock: \_\_\_\_\_

\_\_\_\_\_

Focus: \_\_\_\_\_

\_\_\_\_\_

Epicenter: \_\_\_\_\_

\_\_\_\_\_



## Three types of seismic waves:

Primary Waves: \_\_\_\_\_

\_\_\_\_\_

Secondary Waves: \_\_\_\_\_

\_\_\_\_\_

Surface Waves: \_\_\_\_\_

\_\_\_\_\_

Earthquake Zones: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

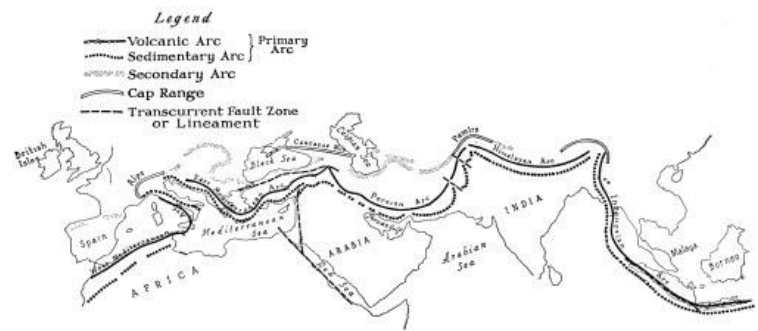
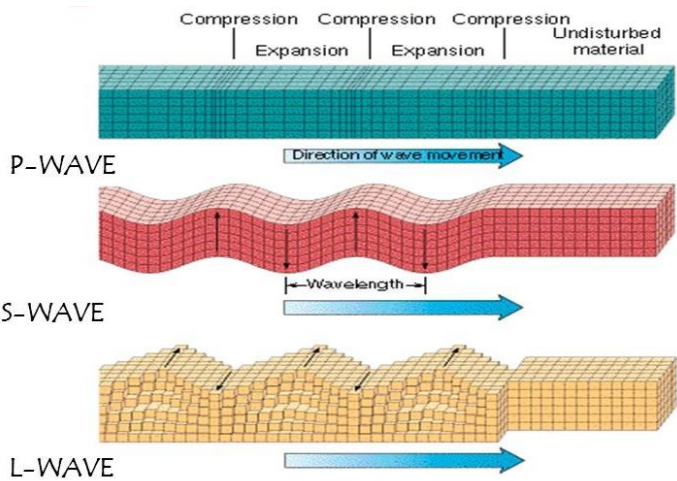
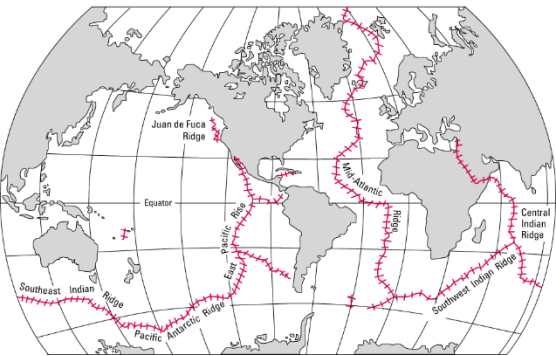
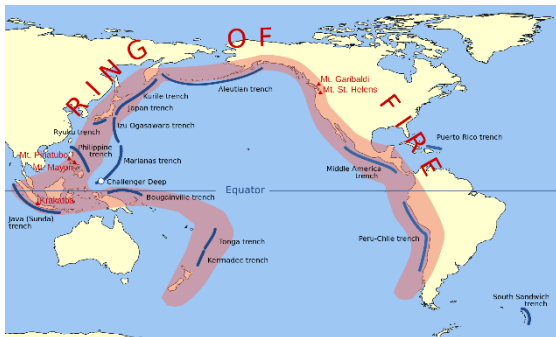


FIGURE 9 — A regional view of the zone of recent orogenic uplift in South Eurasia, with the component arcs. After WILSON  
WILSON, J. TUZO: *The Earth as a Planet*, ed., Kuiper, p. 165, Chicago, Ill.: Univ. of Chicago Press, 1954.

