

**Note-taking Worksheet (continued)****Section 3 Theory of Plate Tectonics****A. Plate movements**

1. Earth's \_\_\_\_\_ and upper mantle are broken into sections.
2. The sections, called \_\_\_\_\_, move on a plasticlike layer of the mantle.
3. The plates and upper mantle form the \_\_\_\_\_.
4. The plasticlike layer below the lithosphere is called the \_\_\_\_\_.

**B. Plate boundaries**

1. Plates moving \_\_\_\_\_—divergent boundaries
2. Plates moving \_\_\_\_\_—convergent boundaries
  - a. Denser plates sink under less \_\_\_\_\_ plates.
  - b. Newly formed hot \_\_\_\_\_ forced upward forms volcanic mountains.
3. Plates collide
  - a. Plates crumple up to form \_\_\_\_\_ ranges.
  - b. \_\_\_\_\_ are common.
4. Plates slide past—called \_\_\_\_\_ boundaries; sudden movement can cause earthquakes

**C. Convection inside Earth—the cycle of heating, rising, cooling, and sinking of material inside Earth is thought to be the \_\_\_\_\_ behind plate tectonics.****D. Features caused by plate tectonics**

1. Faults and \_\_\_\_\_ valleys
2. Mountains and \_\_\_\_\_
3. Strike-slip faults—cause of \_\_\_\_\_

**E. Testing for plate tectonics—scientists can measure \_\_\_\_\_ as little as 1 cm per year.**

# Glencoe Mcgraw Hill World History Worksheets Answers

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