**Earth’s Interior & Tectonics** (p. 729 – 737)

**I. What Is Earth’s Interior Like?**

 **1. Complete the following table.** *(Not all answers in the book.)*

|  |  |  |  |
| --- | --- | --- | --- |
|  **Layer Of Earth** |  **Types Of Matter** |  **Minerals Present** |  **Thickness** |
|  Crust |  |  |  |
|  Upper Mantle |  |  |  |
|  Lower Mantle |  |  |  |
|  Outer Core |  |  |  |
|  Inner Core |  |  |  |

 **2. The Earth’s core is hot due to energy release of radioactive isotopes.**

 Circle One : True False

**II. Plate Tectonics**

 **1. Define the term continental drift.**

 Continental Drift –

 **2. Who developed the theory of continental drift in 1912?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **3. Wegener named the large supercontinent that came together 200 million years ago :**

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 **4. How did Wegener explain similar fossils on different continents?**

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 **5. Circle the letter of each sentence that is true about Earth’s magnetism.**

 a. At times in the past, a compass needle on Earth would have pointed South.

 b. Rock that makes up the ocean floor lies in a pattern of magnetized strips.

 c. The pattern of stripes is different on both sides of mid-ocean ridges.

 d. The magnetic memory of rock on the ocean floor changes over time.

 **6. What did drilling samples indicate about the ages of seafloor rocks?**

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 **7. Define the term plate tectonics.**

 Plate Tectonics –

 **8. What is believed to be the cause of plate movement?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**III. Plate Boundaries** *(Some examples not in the book.)*

 **1. Volcanoes and earthquakes typically occur around plate boundaries.**

 Circle One : True False

 **2. Match the plate boundary with the correct definition.**

 1. \_\_\_\_\_\_\_\_ Divergent Boundary A. Two plates slip past each other.

 2. \_\_\_\_\_\_\_\_ Convergent Boundary B. Two of Earth’s plates slide apart.

 3. \_\_\_\_\_\_\_\_ Transform Boundary C. Two plates come together.

 **3. Define the term rift valley.**

 Rift Valley –

 **4. List two examples of a divergent boundary on Earth.**

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **5. Define the term subduction.**

 Subduction –

 **6. List two examples of each type of convergent boundary on Earth.**

 1. Oceanic-Continental Convergence

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 2. Oceanic-Oceanic Convergence

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 3. Continental-Continental Convergence

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 **7. Define the term fault.**

 Fault –

 **8. List two examples of a transform boundary on Earth.**

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_