



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Since it is impossible to physically see the internal structure of the Earth, **how do geologists know that the Earth is composed of three distinct layers of material?**

Circle the answer letter.

- a. from studies of rock samples from the core and the mantle
- b. from studies of seismic waves
- c. from studies of laboratory models of the Earth

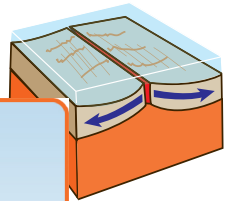
6 The **line** where **two tectonic plates touch** is called a \_\_\_\_\_.

- a. tectonic ditch
- b. tectonic boundary
- c. transformation



7 Deep in the Atlantic Ocean basin, **tectonic plates** are moving away from each other, allowing **magma** from the **mantle** to pour out onto the **ocean floor**. This is called a \_\_\_\_\_.

- a. convergent boundary



2 Label **Earth's layers**.



## PREVIEW

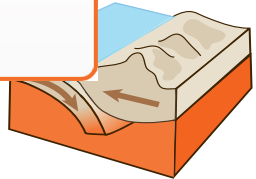
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3

This layer is \_\_\_\_\_.

- a. a combination of the crust & mantle
- b. a combination of the crust & solid core
- c. made of only the continental crust

- b. a transform fault
- c. a trench



5 Fill in the blank.

The **unified theory** that **pieces of the lithosphere** move around the part of the mantle called the **asthenosphere** is called

the **theory of** \_\_\_\_\_.

10 Fill in the blank.

According to the **theory of continental drift**, all of the continents were once together as a **single large landmass** called

\_\_\_\_\_.





# Plate Tectonics - Answer Key

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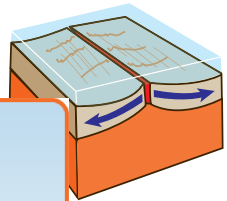
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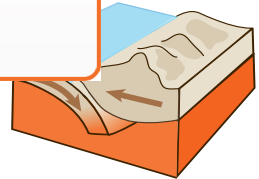
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3 E  
C  
P  
a  
b

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The **unified theory** that **pieces of the lithosphere** move around the part of the mantle called the **asthenosphere** is called

the **theory of** \_\_\_\_\_ **plate tectonics** \_\_\_\_\_.

10 Fill in the blank.  
According to the **theory of continental drift**, all of the continents were once together as a **single large landmass** called

\_\_\_\_\_ **Pangaea** \_\_\_\_\_.

