

## Unit 5 Study Guide

Layer of the Earth	State of Matter <small>(Solid, Liquid, or Gas)</small>	Composition <small>(What is it made of)</small>	Thickness	Special Features
Crust				
Mantle				
Outer Core				
Inner Core				

1. What three things increase as you move from the crust to the inner core?

\_\_\_\_\_

2. What are the layers of the Earth in order (including the 'spheres')?

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_  
 \_\_\_\_\_ 5. \_\_\_\_\_ 6. \_\_\_\_\_ 7. \_\_\_\_\_

3. Explain what convection currents are including why it happens.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_.

4. Sea floor spreading happens at the \_\_\_\_\_.

5. Explain Continental Drift

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_.

6. The person r

7. Where do most earthquakes and volcanoes form? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_.

8. Explain sea floor spreading

\_\_\_\_\_  
 \_\_\_\_\_.

9. The person responsible for the continental drift theory is \_\_\_\_\_ and he used the following pieces of evidence to support his theory:  
 a. \_\_\_\_\_ b. \_\_\_\_\_ c. \_\_\_\_\_
10. The person responsible for the continental drift theory is \_\_\_\_\_ and he used the following pieces of evidence to support his theory:  
 a. \_\_\_\_\_ b. \_\_\_\_\_ c. \_\_\_\_\_
11. The continents were once one single land mass or super continent called \_\_\_\_\_.

	Describe the Movement of Both Plates and What Occurs When They Interact	What feature is created?
<b>Convergent Boundary</b> Continental - Continental		
<b>Convergent Boundary</b> Continental - Oceanic		
<b>Divergent Boundary</b> Oceanic - Oceanic		
<b>Transverse Boundary</b> Continental - Continental		

9. Explain how fossils could be used as evidence to support continental drift. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

10. Continental crust is \_\_\_\_\_ dense than oceanic crust. This is why \_\_\_\_\_  
 crust subducts under \_\_\_\_\_ crust.

11. The Ring of Fire is an area where a large number of \_\_\_\_\_ and \_\_\_\_\_  
 are found. Explain why this is. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

12. Draw a convection current and label it with less dense, more dense, rise, sink, core, crust, mantle, heat up, and cool off.