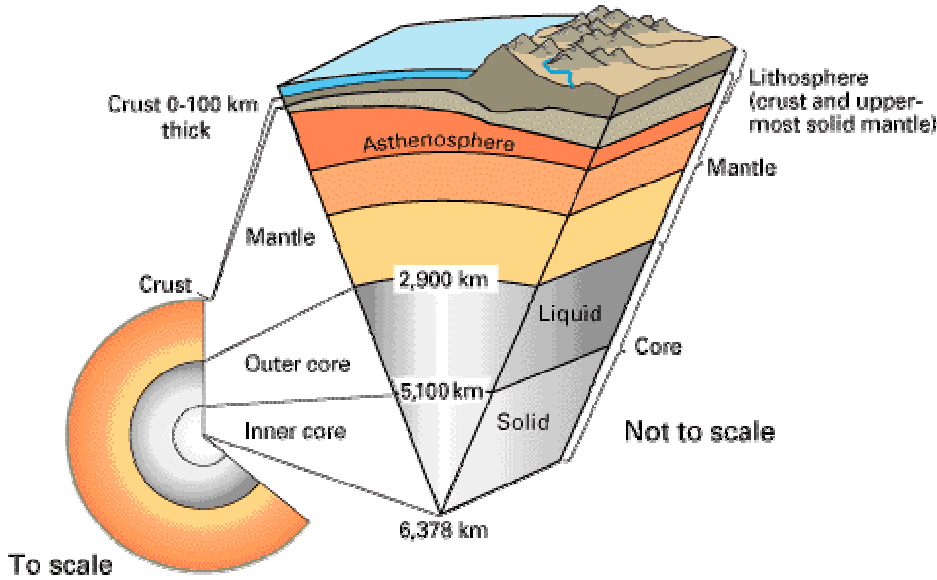


**Structure of Earth (cross-section):** Note- a similar diagram appears on page 10 of your ESRT's:

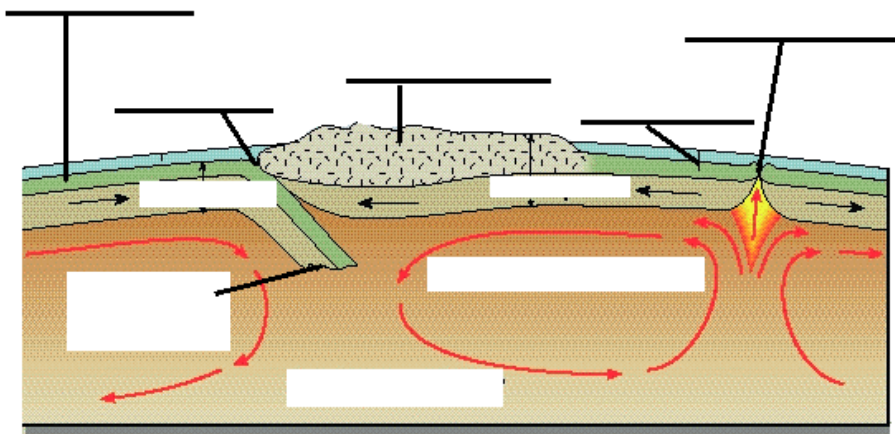


**Using page 10:**

- ◆ Density of Ocean Crust= \_\_\_\_\_
- ◆ Density of Cont. Crust= \_\_\_\_\_
- ◆ Boundary between RIGID mantle and ASTHENOSPHERE= \_\_\_\_\_
- ◆ Temp. in rigid mantle= \_\_\_\_\_ °C
- ◆ Thickness of outer core= \_\_\_\_\_
- ◆ Thickness of inner core= \_\_\_\_\_
- ◆ Depth of "moho"= \_\_\_\_\_

**Plate Boundaries and Features:**

	CONVERGENT	DIVERGENT	TRANSFORM
What is happening			
What results			
Example			



**Remember, CONVECTION is the force that *drives* or *causes* this plate motion...**

**Explain Convection:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Evidence of Plate Movement:**

	<b>Earthquakes</b>	<b>Volcanoes</b>	<b>Hot Spots</b>	<b>Seafloor Spreading</b>
<b>Where found?</b>				
<b>Why evidence?</b>				
<b>How fast/frequent?</b>				

**The Hawaiian Hot Spot:**

Briefly explain how this is evidence of-

1) Plate Movement:

2) A Change in Plate Motion:

3) A problem with Plate Tectonics:

