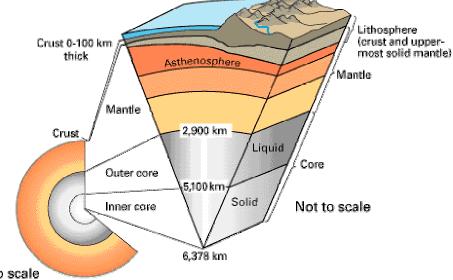
REGENTS EARTH SCIENCE Plate Tectonics Review

Name:

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



♦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=

Using page 10:

♦Depth of "moho"=

To scale

Plate Boundaries and Features:

	CONVERGENT	DIVERGENT	TRANSFORM
What is happening			
What results			
Example			
			Remember, CONVECTION is the force that <i>drives</i> or <i>causes</i> this plate motion
			Explain Convection:

Evidence of Plate Movement:

Earthquakes	Volcanoes	Hot Spots	Seafloor Spreading	
		The Hawaiia	n Hot Spot:	
Aleutian trench			Briefly explain how this is evidence of-	
		1) Plate Movement:		
Hawai Hot spot auai 3-5.6* Oahu 2-3-3.3*		2) A Chance in Plate M	otion:	
in millions of years	1.0* Hawaii 0.8-present*	3)A problem with Plate	Tectonics:	
	h N Hot spot 3-5.6* Oshu 2-3-3.3* Molokai 1.3-1.8* Maui Iss than	h Hawai Ab.5.e Bool Alai Bool Bool Bool Bool Bool Bool Bool Boo	The Hawaii The Hawaii 1) Plate Movement: 1) Plate Movement: 2) A Chance in Plate M 3)A problem with Plate	