Tectonics		C.	C. Different plate boundaries (4)			E.	E. Earthquakes (4)		
Background: 1. The Earth's structure is made up of layers. (A)		Divergent			Where tectonic plates move apart and new land is created.	Epicentre		The point on the Earth's surface directly above the focus of an earthquake.	
 The characteristics of these layers fuels tectonic plate theory and the resulting hazards which occur along plate boundaries. (B) There are four different plate boundaries, each with their own characterises and resulting hazards. (C) Volcanoes can be found along divergent and convergent boundaries, although the volcanoes found at these boundaries are different. (D) Earthquakes take place along all of the boundaries, but are often most significant at conservative boundaries. Earthquakes have key features and are measured using the Richter scale. (E) People continue to live in tectonic areas for a number of reasons. (F) Some of these reasons relate to how we monitor, protect and plan for such hazards. (G) However, the impacts of these hazards can still be significant; although they can vary based upon a countries level of development. (H, F) 		Convergent			Where two plates come together, and the oceanic plate is subducted, leading to violent		5	The source of an earthquake beneath the Earth's surface.	
		Conservative			volcanic eruptions. Where tectonic plates move alongside, or past each other.	Seisr	nic waves	Fast waves of energy generated from the focus of an earthquake.	
		Collision			Where continental plates move towards each other, forming	Richter scale		A scale used to measure the strength of an earthquake.	
					mountains.		F. Living in the tectonic danger zone		
		D. Volcanoe			1	Volcanoes		1. Jobs in tourism.	
		Shield volcano		0	A gently sloping volcano formed by runny lava, usually at a divergent boundary.	3 wh		 Geothermal energy created. Ash makes the ground fertile, which is good for farming. Diamonds and gold from previous 	
		Composite volcano			A steep volcano formed by alternating layers of lava and			eruptions can be mined.	
A. The layers of the Earth (3)					ash, on convergent boundaries.	(3) 2. It		I. Friends and family live in the area. 2. It has not happened in such a long ime, so people take the risk. 3. Employment in the area.	
Lithosphere (Crus			Pyroclastic flow		Torrent of hot ash, rock, gas and steam from a volcano.				
Asthenosphere Middle layer of the earth, between the crust and the core,		G.			Volcanoes		Earthquakes		
Core	approx. 2900km thick. The centre and hottest layer of	(2) 2.		2. Ir	The shape may change. Increase in gases given off e.g. sulphur oxide.		Irregular tremors measured. Radon gas levels increase as rocks crack.		
the earth, broken into the inner (solid) and outer core (liquid)		Protect La		Lav	va diversion channels.		Earthquake proof buildings.		
B. Theory (4)					Evacuation. Emergency services trained.		Earthquake drills. Emergency services on-call.		
Plate The place where plates meet. boundaries		Н.				I.	1	Examples	
Convection Currents in the Earth's mantle which rise from the Earth's core and are strong enough to move tectonic plates.		Prima	Primary effects		Direct impacts of an event e.g. people killed, injured, or buildings collapse.	Developing 1 Haiti 2		1. 318,000 dead. 2. 1.5 million homeless. 3. Cholera outbreak killed 8,000.	
Oceanic crust	The part of the Earth's crust under the oceans, usually 6-8km thick		Secondary effects		The indirect impacts of an event, usually occurring in the weeks, hours, months after the event e.g. the outbreak of disease from contaminated water.		oped Cealand	1. 181 dead. 2. 80% of the city without electricity. 3. The Rugby World Cup was cancelled.	
Continental crust	The part of the Earth's crust which contains land and is 30-50km thick.						(011)	4. Schools closed for 2 weeks.	