



L'Aquila Earthquake, Italy 2009.

A Case study of an earthquake in an MEDC.

You should know at least **two** specific facts, or figures, under each heading.

Causes	Preparation before	Impacts	Responses	Preparation now
<p>5th April 2009.</p> <p>5.8 magnitude on the Richter Scale.</p> <p>Focus- 6 miles depth- shallow</p> <p>Epicentre L'Aquila.</p> <p>African plate, colliding with Eurasian plate- subduction. Resulted in fault stress.</p> <p>Area of medieval buildings.</p> <p>Ineffective retrofitting and building.</p>	<p>National government seismic department- raises public awareness about preparedness. All students learn about earthquakes.</p> <p>National seismic risk map, updated regularly.</p> <p>All building must be retrofitted or built to withstand earthquake events- dependent on the seismic map.</p> <p>National volunteer force to help in the event of a natural disaster.</p>	<p>Social</p> <p>291 victims dead.</p> <p>1,500 people injured.</p> <p>88,000 people left unemployed</p> <p>28,000 students left without access to the University.</p> <p>58,000 people homeless.</p> <p>Economic</p> <p>\$4bn impact the economy.</p> <p>Business disrupted.</p> <p>Environmental</p> <p>11,000 buildings damaged.</p> <p>Medieval buildings collapsed. Damage to the cathedral.</p> <p>Streets impassable and bridges collapsed.</p> <p>Some landslides triggered by the earthquake.</p>	<p>Short-term</p> <p>11,000 volunteers helped with the aftermath.</p> <p>34,000 homeless housed in 161 tented settlements.</p> <p>Red Cross set up a field kitchen, providing 10,000 meals a day.</p> <p>Italian post office sent mobile offices to homeless camps to allow access to money and pensions.</p> <p>Italian Sky stopped billing people and provided TVs to homeless camps.</p> <p>Italian train companies provided free tickets and carriages for people to sleep in.</p> <p>Mobile companies provided free mobile phones.</p> <p>30,000 short-term hardship grants worth 2.4 billion Euros;</p> <p>All tax payments stopped by the government.</p> <p>Long-term.</p> <p>Government to pay for 100% of rebuilding and reconstruction.</p> <p>New towns to be funded by the Government, to generate economic growth.</p>	<p>Updated seismic map.</p> <p>Improved vetting and monitoring of building companies- some had cut corners using a greater proportion of sand in their concrete.</p> <p>Prediction? Based on radon emissions from the ground. Controversial practice?</p>