

Name

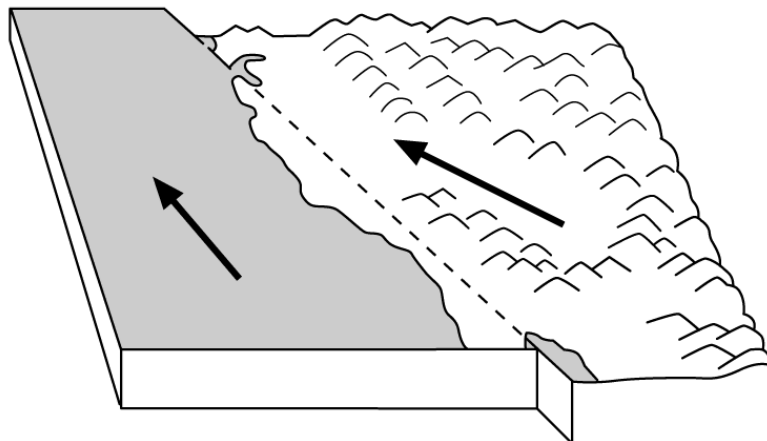
IGCSE Geography – How do plate movements cause earthquakes?



Where was this picture taken and how did that boat get there?

Watch the earthquake animation video from 1:20. Annotate the diagram below to show how a conservative plate boundary causes earthquakes to happen.

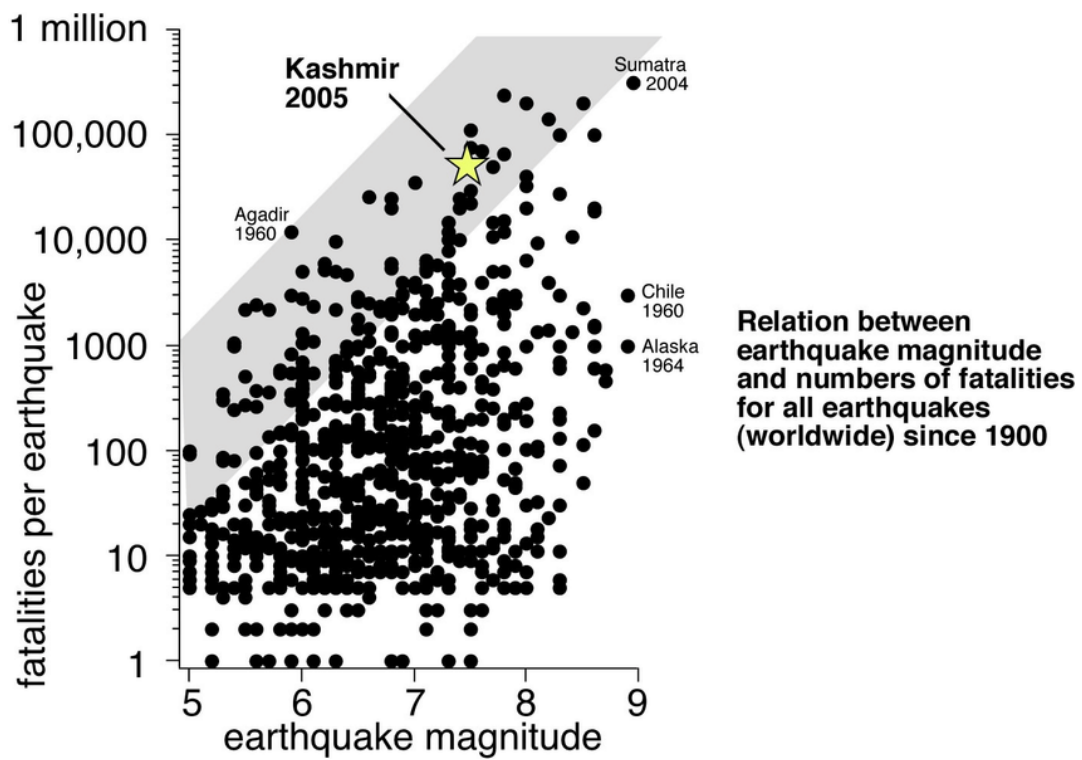
Conservative margin



Describe what the diagram above shows – target 100 words. Must use the words: 'epicentre' and 'focus'.

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Define the following two terms in the space below.	
Focus of an earthquake.	
Epicentre of an earthquake.	



Study the chart above. It shows you the magnitude of earthquake events (x-axis) measured against total death toll from that earthquake (y-axis). Describe the relationship shown on the graph.

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Effects are often classified as primary and secondary impacts. Primary effects occur as a direct result of the ground shaking, e.g. buildings collapsing. Secondary effects occur because of the primary effects, e.g. tsunamis or fires due to ruptured (burst) gas mains.

	Social impacts	Economic impacts	Environmental impacts
Short-term (immediate) impacts	People may be killed or injured. Homes may be destroyed. Transport and communication links may be disrupted. Water pipes may burst and water supplies may be contaminated.	Shops and business may be destroyed. Looting may take place. The damage to transport and communication links can make trade difficult.	The built landscape may be destroyed. Fires can spread due to gas pipe explosions. Fires can damage areas of woodland. Landslides may occur. Tsunamis may cause flooding in coastal areas.
Long-term impacts	Disease may spread. People may have to be rehoused, sometimes in refugee camps.	The cost of rebuilding a settlement is high. Investment in the area may be focused only on repairing the damage caused by the earthquake. Income could be lost.	Important natural and human landmarks may be lost.

Using the link on geographypods, create a spider diagram in the space below that outlines the seven factors that affect the impact of earthquakes.

