



Cover Feature

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· Photos: AP, Xinhua

How earthquakes happen

The Earth's surface is called the crust and it is about 100km thick. It is arranged like a giant jigsaw puzzle with **individual** pieces slotting together. These pieces are called tectonic plates. The edges where these plates come together are called fault lines. Places like Sichuan (四川) and Kathmandu lie on fault lines.

Energy from deeper layers of the Earth cause the plates to constantly move, yet their rough edges remain stuck together. But after a while the pressure becomes too much so the edges become unstuck and the plates slide past one another.

This slipping releases lots of energy which spreads out like an **explosion**, causing the ground to shake. The centre of the quake is called the epicentre.







an earthquake.

That's a stupid thing to do!
Outside you're more likely to
be hit by falling objects.

What to do during an earthquake

Although Hong Kong is not affected by major earthquakes, the mainland is. Most recently, almost 69,000 people were killed in an earthquake in Sichuan. Here is what to do if you feel the ground shake:

- 1. Drop down onto your hands and knees. This will stop you being knocked over.
- 2. Cover yourself. Hiding under a strong table is a good option.
- 3. Hold on to the **shelter** tightly. If you cannot, then hold onto your neck and head.

Myths about earthquakes

- Myth 1: The biggest danger is being trapped in collapsed buildings.
- Truth: The biggest danger is being hit by falling objects.
- Myth 2: When a building collapses everything inside is crushed.
- Truth: People have survived by hiding under furniture.
- Myth 3: The safest place is outside.
- Truth: Outside you are more likely to hit by falling bricks, windows and other building parts.
- Myth 4: Moving to a safe location when the Earth is shaking is recommended.
- Truth: Moving during a tremor can be very dangerous.



