

Earthquakes True or False

Statement	True or False?	If false, what is the fact?
Scientists can use weather patterns to predict earthquakes.		
The shaking from an earthquake is worse on areas above solid rock than areas above sand or loose soil.		
Small earthquakes relieve the stress from the earth and can prevent larger earthquakes.		
According to te ao Māori, earthquakes are caused by Rūaumoko turning and moving.		
Earthquakes are becoming more frequent.		

Earthquakes True or False

Statement	True or False?	If false, what is the fact?
Earthquakes can trigger tsunamis.		
After an earthquake, you may be without power and water supplies.		
Earthquakes are caused by the large plate of rock under the surface of the earth breaking.		
The best way to prevent injuries during or after an earthquake is to follow a prepared plan.		
In an earthquake I should stop, drop and roll.		

Earthquakes True or False

Statement	True or False?	If false, what is the fact?
<p>If you are outside when an earthquake occurs, you should stay there.</p>		
<p>The Richter scale is used to measure seismic waves.</p>		
<p>Most major earthquakes will have aftershocks.</p>		

Earthquakes True or False Answers

Statement	True or False?	If false, what is the fact?
Scientists can use weather patterns to predict earthquakes.	False	Scientists have not yet been able to reliably predict earthquakes.
The shaking from an earthquake is worse on areas above solid rock than areas above sand or loose soil.	False	Solid rock transmits the seismic energy more quickly than loose soil. However, loose soil tends to shake more, especially when there is a large amount of water within the soil.
Small earthquakes relieve the stress from the earth and can prevent larger earthquakes.	False	The stress released during small earthquakes is not sufficient to prevent a larger earthquake from occurring.
According to te ao Māori, earthquakes are caused by Rūaumoko turning and moving.	True	In the story of creation, Rūaumoko remained with his mother when she was split from his father. His movements were associated with the shaking of the earth.
Earthquakes are becoming more frequent.	False	Scientists have analysed historical data and concluded that earthquakes occur with roughly the same frequency as they have over a number of centuries. One reason earthquakes may appear to occur more frequently is the ability for seismic instruments to record them and for media to distribute news of them worldwide.

Earthquakes True or False Answers

Statement	True or False?	If false, what is the fact?
Earthquakes can trigger tsunamis.	True	Tsunamis can be triggered by vertical movements in the tectonic plates near or on the ocean floor.
After an earthquake, you may be without power and water supplies.	True	An earthquake can disrupt sewerage, water, power and road networks.
Earthquakes are caused by the large plate of rock under the surface of the earth breaking.	False	There are several plates of rock called tectonic plates.
The best way to prevent injuries during or after an earthquake is to follow a prepared plan.	True	Having an emergency plan, a supply of necessities and knowledge of the drop, cover and hold procedure can help to keep you safe both during and after an earthquake.
In an earthquake I should stop, drop and roll.	False	Drop Cover Hold

Earthquakes True or False Answers

Statement	True or False?	If false, what is the fact?
If you are outside when an earthquake occurs, you should stay there.	True	If possible, move away from buildings, lights and wires. Drop, cover and hold until the shaking has stopped.
The Richter scale is used to measure seismic waves.	False	The Richter scale ranges from 1 to 10 and is used to measure the intensity of an earthquake. Seismic waves are measured using a seismograph.
Most major earthquakes will have aftershocks.	True	Aftershocks are smaller quakes that occur following a larger earthquake. To be classed as an aftershock, the shocks must occur within a certain distance of the original main shock. Any aftershock that is larger than the original is then thought of as the main shock and any earthquakes occurring before it become foreshocks.