

Year 8 Revision - No 3


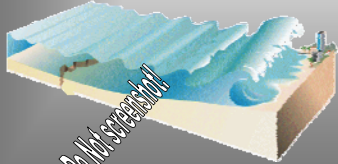
Earthquakes & Waves

© 2009 Encarta

Earthquake, shaking of the Earth's surface caused by rapid movement of the Earth's outer layer. Earthquakes occur when energy is stored within the Earth, usually in the form of rocks, suddenly releases. This energy is transmitted to the surface of the Earth by earthquake waves. The study of earthquakes and seismic waves is called seismology (from the Greek seismos, "to shake"). Scientists who study earthquakes are called seismologists.

Paste text onto a curved line in Illustrator!

Tsunami

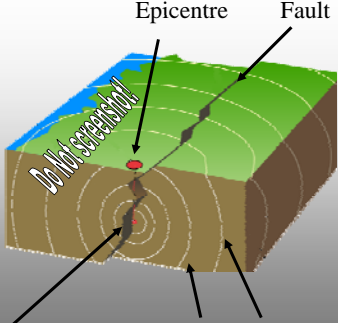



A tsunami is a very large sea wave that is generated by a disturbance along the ocean floor. This disturbance can be an earthquake, a landslide, or a volcanic eruption. A tsunami is undetectable far out in the ocean, but once it reaches shallow water, this fast-traveling wave grows very large.

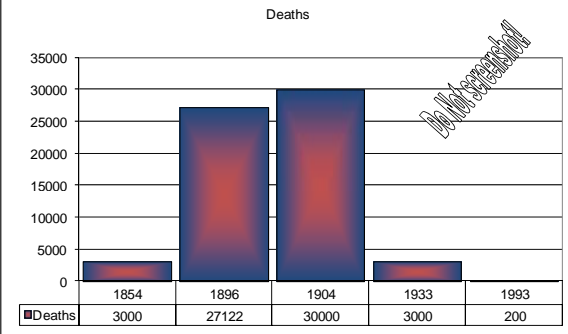
You will need Illustrator for slide 1, Photoshop for slides 2 & 3 and Excel for slide 4

Focus and Epicentre

The point within the Earth along the rupturing geological fault where an earthquake originates is called the focus, or hypocenter. The point on the Earth's surface directly above the focus is called the epicenter.



Japan Earthquake - Death Tolls



Year	Deaths
1854	3000
1896	27122
1904	30000
1933	3000
1993	200