

CONTENT AND LANGUAGE INTEGRATED LEARNING UNIT (UNIDAD DIDÁCTICA AICLE)
NATURAL SCIENCE

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ACKNOWLEDGEMENTS

https://www.pinterest.es/pin/214695107213167051/ torn piece of paper

https://pixabay.com/

https://www.freeimages.com/

logos created at https://logomakr.com/

https://www.sms-tsunami-warning.com/pages/richter-scale#.X-21TthKilU Richter scale

https://www.pinterest.es/pin/822469950680727902/ magnitude scale

https://www.pinterest.es/pin/122441683599990755/ intensity scale

https://en.wikipedia.org/wiki/Epicenter

https://www.sciencelearn.org.nz/images/352-seismic-waves secondary & primary waves

https://www.livescience.com/37052-types-of-faults.html San Andreas fault

https://mammothmemory.net/geography/geography-vocabulary/tectonic-hazards/tectonic-

plates.html tectonic plates

https://www.gfz-potsdam.de/en/gshap/ global seismic Hazard map

https://i.pinimg.com/originals/74/dc/1f/74dc1f671b136177a289e1a92aedb9e8.png stress

https://commons.wikimedia.org/wiki/File:Agiospavlos DM 2004 IMG003 Felsenformation nah

e.JPG#globalusage rock fold

https://www.sciencelearn.org.nz/images/348-earth-folds folds

https://earthquake.usgs.gov/learn/glossary/?term=aftershocks aftershock

https://en.wikipedia.org/wiki/File:NOAA Tsunami Animation-2016.webm tsunami 3D animation

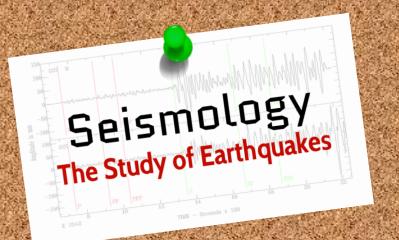




The shaking and trembling that results from the movement of rock beneath Earth's surface.









SEISMOLOGIST

Scientist who studies earthquakes

SEISMOGRAPH

Instrument used to measure and record the vibrations of seismic waves



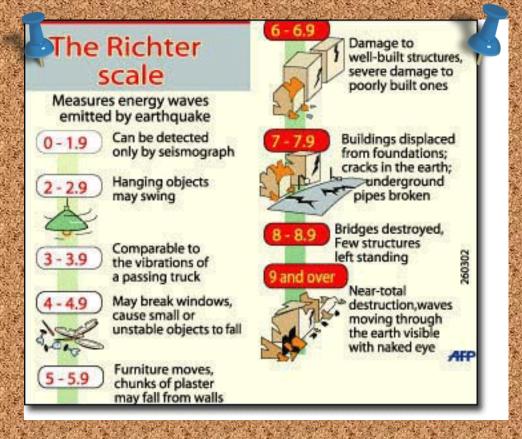
SEISMOGRAM

A tracing of earthquake motion that is created by a seismograph



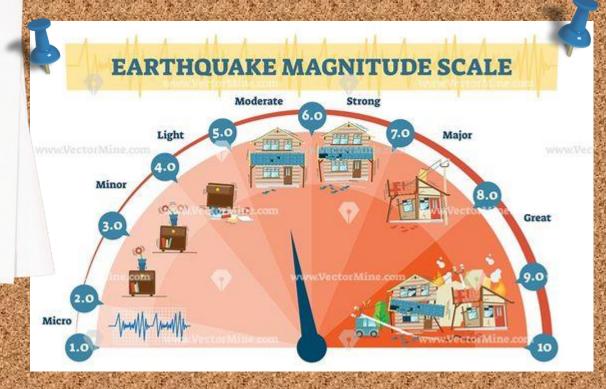
One of three rating scales used to measure earthquakes.
It rates earthquakes according to the size of seismic waves measured by a seismograph.

RICHTER SCALE



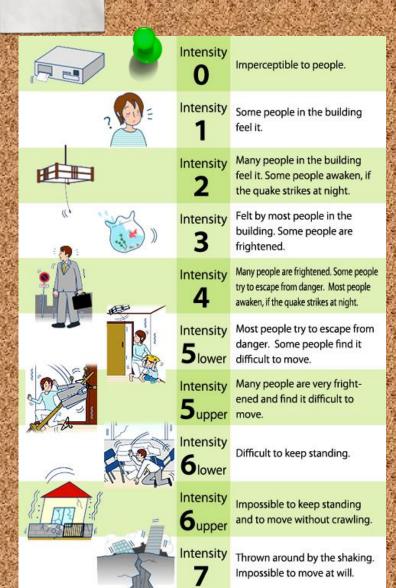
Measure of an earthquake's strength based on seismic waves and movement along faults.





INTENSITY

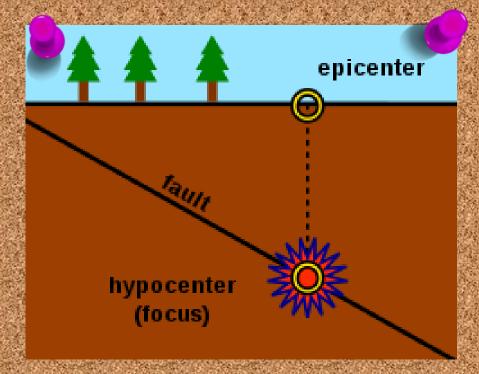
A measure of the degree to which an earthquake is felt by the people and the amount of damage caused by the earthquake.





The point on Earth's surface directly above an earthquake's starting point, or focus.



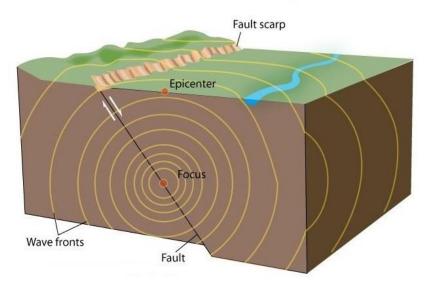




Vibration that
moves out
from the force
in all directions
carrying the energy
of an earthquake
away from the focus,
through Earth's interior
and across the surface.

SEISMIC WAVE

Seismic waves radiate from the focus of an earthquake



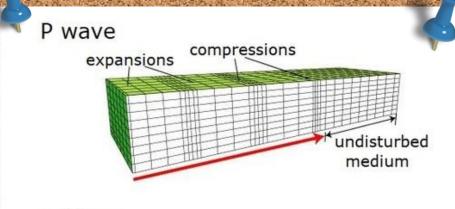
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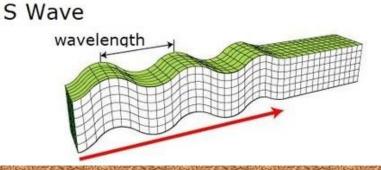


S-Wave
a seismic wave that
causes particles of rock
to move in a
side-to-side direction.

P-Wave
A seismic wave that
causes particles of rock
to move in
a back-and-forth
direction

Shear wave/Secondary wave
Pressure wave/ Primary wave



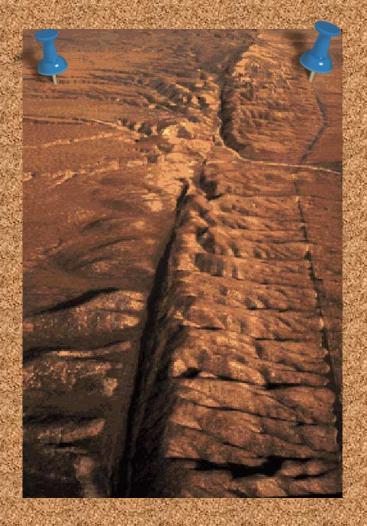


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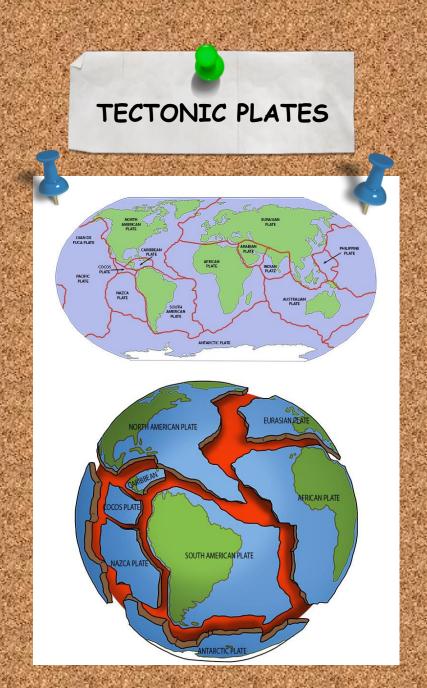
A break in the
Earth's crust
along which
blocks of the crust slide
relative to one another.

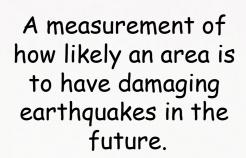
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FAULT



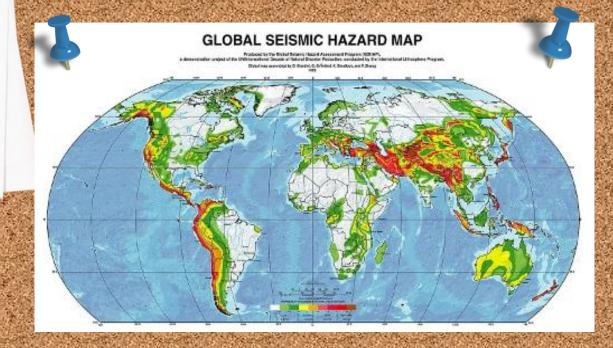
Giant pieces of the Earth's thin, outermost layer that move around on top of a layer of plastic rock.





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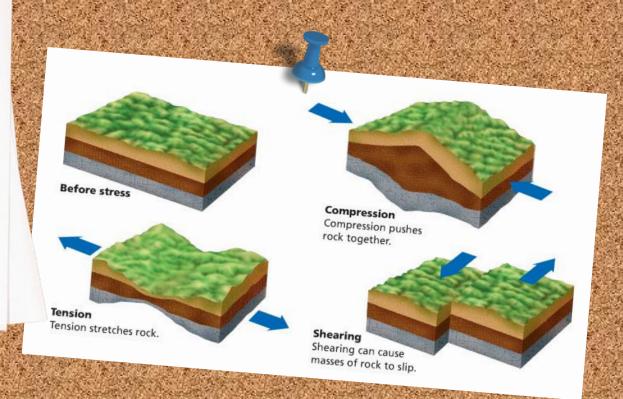
SEISMIC HAZARD





A force that acts on rocks to change its shape or volume.





A bend in rock that forms when compression shortens and thickens part of the crust.

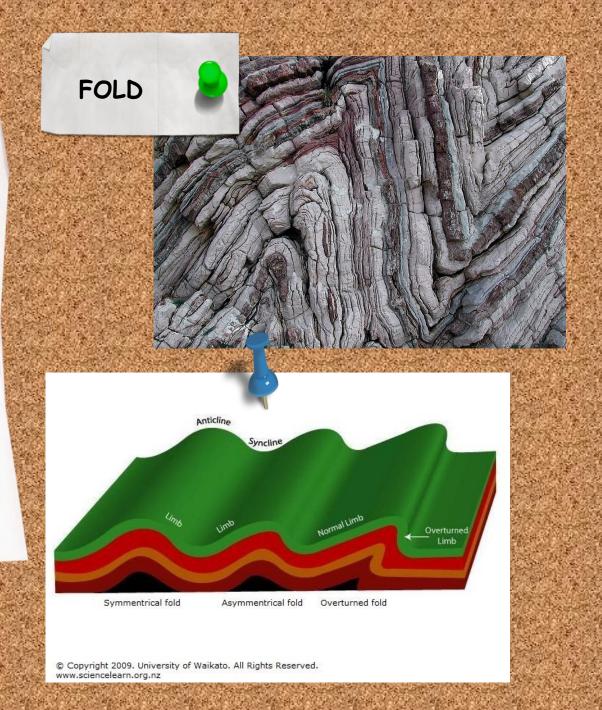
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anticline

A fold that bends upward in an arch.

syncline

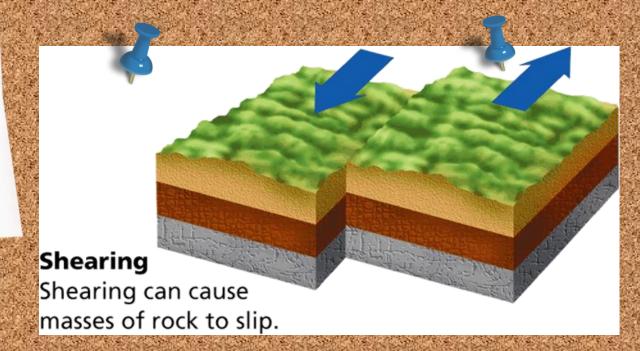
A fold that bends downward in the middle to form a bowl.





A kind of stress that pushes a mass of rock in two opposite directions.

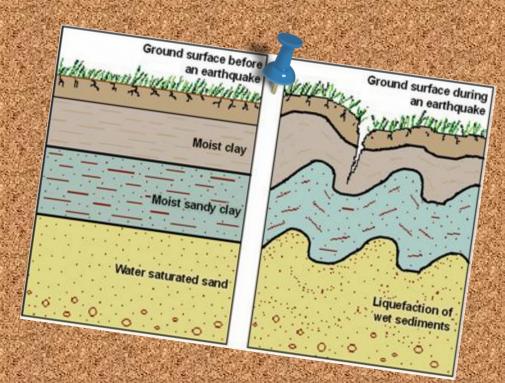






Soft, loose soil turns into liquid mud due to violent shaking of earthquake.

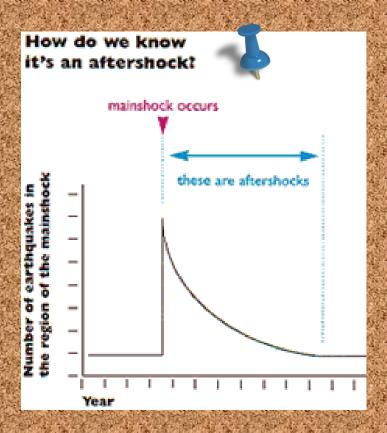


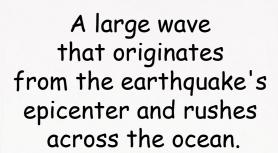




A smaller earthquake that occurs after a larger earthquake in the same area.

AFTERSHOCK





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Click on this link to watch a 3D tsunami animation

https://en.wikipedia.org/wiki/Fi le:NOAA Tsunami Animation -2016.webm







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For Earthquake
Glossary click on the
link

https://earthquake.usgs.gov/learn/glossary/?term=fault