

# CONGRATULATIONS!

You have completed your tectonic and seismic activity training. You are now certified to track, predict, and plan for the effects of plate tectonic movement, seismic events, volcanic activity, and disaster scenarios around the world.

**Mission 1:** You will research at least 3 recent (must be within the last 12 months) earthquakes and 3 volcanoes. On the table below you will indicate the following about each event.

Use the following link to reach recent volcanic activity: [https://www.volcanodiscovery.com/erupting\\_volcanoes.html](https://www.volcanodiscovery.com/erupting_volcanoes.html)

Volcanoes Data Table					
Location	Date	Latitude	Longitude	*Severity	Notes
Antofagasta Chile	10/14/19	68.79S	21.37W	$\Delta$	possible eruption
Ecuador	10/14/19	2C	78.34W	$\Delta$ 4/5	Volcanic Ash advisory-erupting
DRCongo	8/7/19	1.52S	29.25E	$\Delta$	persistent java lake

\*Severity of volcanoes is measured by  $\Delta$ (yellow triangle)= unrest,  $\Delta$ (orange triangle)= active,  $\Delta$ (red triangle)= eruption

Use the following link to reach recent seismic activity: <https://earthquake.usgs.gov/earthquakes/map/>

Earthquake Data Table					
Location	Date	Latitude	Longitude	*Severity	Notes
Pinnacles CA	10/15/19	36.56N	121.156W	2.7	Felt little
Pleasant Hill, CA	10/15/19	37.938N	122.058W	4.5	Walls Crack
Shikotan, Russia	10/14/19	44.575N	146.700E	5.3	Furniture moves

\*Severity of earthquakes is measured by Richter Magnitude Scale:

Richter Magnitude	Earthquake Effects
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