

Wednesday 11/10/2021 - Activator

Directions: Prepare yourself for today's CER by opening and experimenting with the two resource websites that we will be using. **They are both posted in Teams, Unit Plate Tectonics, CER links for Boundaries.**



CLAIM

A STATEMENT ABOUT THE RESULTS OF AN INVESTIGATION.

EVIDENCE

SCIENTIFIC DATA USED TO SUPPORT THE CLAIM.

REASONING

EXPLAINS AND JUSTIFIES WHY THE EVIDENCE SUPPORTS THE CLAIM.

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Steps for today.....

1. ADI Lab 6: Plate Interactions

- Use the Geological Society link to **collect and record qualitative data** on earthquake and volcanic activity around each boundary.
 - Map is easy to use! Everything at the bottom!
- Use the NOAA Natural Hazards Viewer to **collect and record more detailed quantitative and qualitative data** on earthquake and volcanic activity around each boundary.
 - Site has A LOT of information available and can be overwhelming! Help each other and do your best!
- As you make observations and collect the data, you should notice patterns for the type of boundary where most of the volcanoes are and are not located.
- As you make observations and collect the data, you should notice patterns for the boundaries where more earthquakes are and which boundary produces the strongest earthquakes.

ADI Lab 6: Plate Interactions

Guiding Question: What do you observe about earthquakes and volcanoes along each of the boundaries?

Task: Collect data about volcanoes and earthquakes near the three different types of plate boundaries.

You should discover a direct relationship between the type of boundary and the geological events that occur at that type of boundary. (volcanoes, earthquakes, and strength of both)