

Earthquake Webquest

Shake, rattle, and roll

Modified by Ms. Reamy



In this mini webquest, you are going to be researching earthquakes, causes of earthquakes, and how earthquakes are measured. You will be visiting the websites below by clicking on the provided links. Find the answers from the webpages and answer on a separate sheet of paper or the worksheet. Write good complete sentence answers. Most will require multiple sentences to answer.

Part 1: Earthquakes USGS <http://earthquake.usgs.gov/learn/kids/eqscience.php>

1. What is an earthquake?
 2. What is a foreshock?
 3. What is a mainshock?
 4. What is an aftershock?
 5. What causes earthquakes and where do they happen?
 6. Why does the earth shake when there is an earthquake?
 7. How are earthquakes recorded?
 8. How do scientists measure the size of earthquakes?
 9. Describe P waves.
 10. Describe S waves.
 11. How can scientists tell where the earthquake happened?
 12. Can scientists predict earthquakes?
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Part 2: Geography4Kids Faulting http://www.geography4kids.com/files/earth_faulting.html

1. What happens when two plates meet?
 2. Describe folding:
 3. Describe faulting:
 4. What are dip slips?
 5. What does your textbook call dip slips?
 6. What is a strike slip?
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Part 3: Geography4Kids Earthquakes http://www.geography4kids.com/files/earth_earthquake.html

1. What causes the Ground to move?
2. What can earthquakes do to change the landscape?
3. Why can we feel earthquakes hundreds of miles away?
4. What are seismic waves?
5. What is the epicenter?
6. What is the focus?

Now take the "quiz on earthquakes" (click on green box at bottom of page).

Part 4: Checking Current Earthquakes <http://earthquake.usgs.gov/>

1. You will click on the above link "Checking Current Earthquakes,"
 2. Then click on the "Latest Earthquakes" Map.
 3. On the left side you will see a list of the latest earthquakes in the world that have been 2.5 magnitude or higher
 4. List all the earthquakes that have occurred today;
 - a. List;
 - i. The date
 - ii. Magnitude
 - iii. Location
 5. 1. Zoom out on the map and see where these earthquakes have taken place (orange dots)
 6. 2. Where have most taken place?
 7. Where was the most recent earthquake in the United States?
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Going Beyond: If you finish everything above. Research online additional information about earthquakes; such as;

- How earthquakes are measured
- Information about the Richter scale
- The Pacific Ring of Fire
- The largest earthquake ever recorded
- The earthquake in Japan last year
- How earth quakes create Tsunamis

*you may be asked to write a report on one or more of these topics.