

Environmental Science
The Earth - Websites and Activities

Shake, Rattle and Slide

<http://urbanext.illinois.edu/earth/>

Go to the activities tab, then to “The Big Shake Up.” List two things that you have learned from this tab.

1.

2.

Go to the “Pushed, Pulled and Glued” activity. List two things that you have learned from this tab.

1.

2.

Understanding Earthquakes

<http://projects.crustal.ucsb.edu/understanding/>

Use the Quiz, Globe and Rebound buttons. Do the activities on those pages. List something you have learned at each button.

Quiz

Globe

Rebound

Earth's Layers Online Activities

<http://www.mrsoshouse.com/ext/earthl.html>

Earth's Layers Online Activity

Directions: Go to the web site [The Earth's Layers](#). Use the links provided to find the answers to the questions.

1. [The planet we call Earth](#) has how many layers? _____

Write them in order from the center to the outside of the planet.

2. [Use this diagram](#) to answer these questions:

Name the thickest layer ...

Name the thinnest layer ...

Write as a fraction the relationship of the thinnest layer to the thickest layer.

Calculated to challenge. Perhaps you have imagined digging a tunnel through the earth that comes out the other side.

Figure it out ... How many miles would you have to dig?

3. Write 4 facts about [the Earth's Crust](#).

a.

b.

c.

d.

4. The [crust and the upper layer](#) of the mantle together make up a zone of rigid, brittle rock called the

5. Write three facts [about the Mantle](#).

a.

b.

c.

6. What are the [Convection Currents](#)?

7. Name two metals found in [the Outer Core](#).

The border between the Outer core and the Inner Core is how many miles beneath the crust?

8. The [Inner core](#) is under so much pressure it does not move like a liquid, it ...

Write the temperature of the center of the Earth.

9. A [scientist who](#) studies rocks is called a

What does a Geomorphologist study?

10. Do [A Piece of the Crust](#)

Select one of the elements in the list.
Describe one way it impacts people's lives.

11. Describe the evidence scientists have that the [Earth's tectonic plates](#) are moving.

12. How do scientists use maps to study the earth? [USGS Global Crustal Database](#)