

Earth's Interior WebQuest

Click on the following link to get an introduction to the Earth's Interior

<http://www.learner.org/interactives/dynamicearth/>

1. What tool did scientist use to first study the Earth's interior

2. Draw an accurate diagram of Earth's interior, labeling it's major parts
3. Scroll over the 'inner core' to answer the following:
 - a. 2 words to describe the earth's interior _____

 - b. Composition (elements): _____
 - c. How many miles below the surface is it? _____
4. Scroll over the 'outer core' to answer the following:
 - a. 2 words to describe the outer core:_____
5. Describe the mantle
6. Is the Earth's crust real thin or real thick? Circle one
7. Which is thinner ocean crust or continental? Circle one

8. Click on the Plate Tectonics link next to 'next chapter'
Follow the links until you reach the plate tectonic page
 - a. Give 3 key pieces of convincing evidence Alfred Wegner came up with to suggest the continents were once joined.

Use the website below to answer the following questions

http://www.windows2universe.org/earth/Interior_Structure/interior.html

9. First read the structure of the earth intro
The earth's interior is hotter then what? _____

The heat from Earth's interior may cause what two things to happen on Earth's surface:

10. Next scroll down and click on "Diamonds are ancient History"

- a. what part of the Earth's crust do diamonds form in? _____
- b. How old are the oldest diamonds? _____
Youngest _____

11. Click the back button: Scroll down and find the Equator is Growing

What are 2 possible causes of the equator growing/shrinking over the past few years?