

Layers of the Earth Webquest Name _____ BLOCK ____

****Explore the following websites and answer the corresponding questions below to help you figure out what is so special about the structure of our Earth!****

Part I. The Layers of Earth:

A. Structure of the Earth: <http://volcano.oregonstate.edu/earths-layers-lesson-1>

1. Label the layers of the Earth
2. What causes the **mantle to “flow”**?
3. What are the **two main metals that make up the Earth’s core**?
4. Describe, in your own words, **how the earth’s layers were formed?** (see “The Four Layers”)

B. The Crust and Lithosphere (*Earth's Crust & the uppermost part of the Earth's Mantle*):

Use the following sites to help you understand the Crust and Lithosphere--

http://www.harcourtschool.com/activity/science_up_close/606/deploy/interface.html

[https://www.sciencedaily.com/terms/crust_\(geology\).htm](https://www.sciencedaily.com/terms/crust_(geology).htm)

1. **What is special about the Lithosphere?**

2. Complete the following table:

<https://www.differencebetween.com/difference-between-continental-crust-and-vs-oceanic-crust/#:~:text=%E2%80%A2%20Oceanic%20crust%20is%20mainly%20basalt%20whereas%20continental,oceanic%20crust%20is%20the%20floor%20of%20the%20oceans.>

<i>Types of Crust</i>	
Oceanic	Continental
Thickness:	Thickness:
Made of:	Made of:
VIP #1:	VIP #1
VIP #2:	VIP #2:

C. Tectonic Plates:

<http://www.livescience.com/37706-what-is-plate-tectonics.html>

1. What are **tectonic plates**?
2. What is something else that you learned that helps **you** understand what is special about the Earth's structure?

C. Go to www.universetoday.com/26717/earths-mantle/ to learn about what influence convection currents have on Earth. Read and answer the following questions.

1. Describe how **convection currents occur in Earth's mantle**.
2. What is a **constructive force** caused by the convection in the mantle?
3. What is a **destructive force** caused by the convection in the mantle?