		_			BLOCK
			about the struc		
Part I. T	ne Layers of	Earth:			
A. S	ructure of tl	he Earth: <u>ht</u>	ttp://volcano.oreg	gonstate.edu/eartl	ns-layers-lesson-1
	1. Label	the layers o	of the Earth		
		•			
				_	
	2. What of	causes the m	nantle to "flow"	?	
	3. What a	are the two n	main metals tha	t make up the E	arth's core?
			own words, how	the earth's layer	rs were formed? (see "The
	Four Layer	'S'')			

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

1.	What	is s	special	about	the	Lithosp	here?
	, , ,,,,,,,		pocial	about		LIUIODD	11010.

2. Complete the following table:

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

Types of Crust			
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?

Part II. Convection Currents and the Mantle

<u>Heat transfer</u> is the movement of heat energy from a warmer object/place to a colder object/place. There are <u>three</u> ways in which heat can be transferred: **radiation**, **conduction**, and **convection**. Click on the following links and discover the awesomeness of what heat transfer can (& does) do for YOU!

n (&	z does) do for YOU!
scie	Go to https://www.wisc-online.com/learn/natural-science/earth-ence/sce304/heat-transferconductionconvectionradiation, Convection, nduction and Radiation and Heat Transfer websites.
1.	How is heat transferred by conduction ?
2.	Explain the process of convection . How is heat transferred by radiation ?
	On the <u>Heat Transfer</u> web page, Top tab on tool bar click here and take the " <u>Mini iz</u> ". Put your answers below.
	1 3

	C. Go to <u>www.universetoday.com/26717/earths-mantle/</u> 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?	