

Last Name: _____	First Name: _____	Period: _____	Date: _____
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Earth's Layers

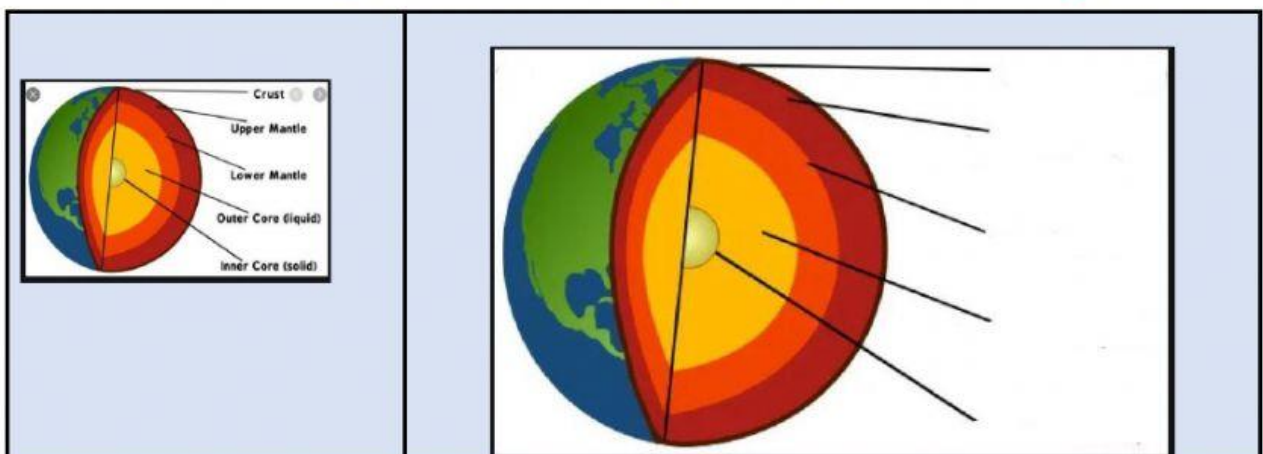
Assignment 1

Instructions: Watch the Video (do not skip)

<https://www.youtube.com/watch?v=eXivGEEPQ6c>

Question 2

Instructions: Use the left figure to complete the missing information (use the exact wording)



Question 3

Instructions: Use the information on the left diagram to answer the questions

Earth's Chemical Composition

Whole Earth has significant Fe, due to the core

WHOLE EARTH

Element	Percentage
Iron	35%
Oxygen	30%
Silicon	15%
Magnesium	13%
Nickel	2.4%
Sulfur	1.9%
Calcium	1.1%
Aluminum	1.1%
Other	<1%

Other (<1%)
Aluminum (1.1%)
Calcium (1.1%)
Sulfur (1.9%)
Nickel (2.4%)
Magnesium (13%)
Silicon (15%)
Iron (35%)
Oxygen (30%)

Barbuck et al., 2019

1. List the 3 most common elements in the earth's composition (from the most abundant to the least)
_____, _____, _____
2. Which is the fourth most abundant element

3. On the second paragraph tells you why Fe (Iron) is the most abundant element. Why?

Question 4

What is the **Asthenosphere**? It is **located** in the **mantle** below the **crust**

asthenosphere

part of the upper mantle located below the crust of the Earth

crust
asthenosphere
mantle
core
solid

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WHAT IS THE ASTHENOSPHERE?

asthenosphere

crust
mantle
core
solid

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Question 4

What are the earth's Mantle convection currents?



Question 5

The Earth's Layers

