

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

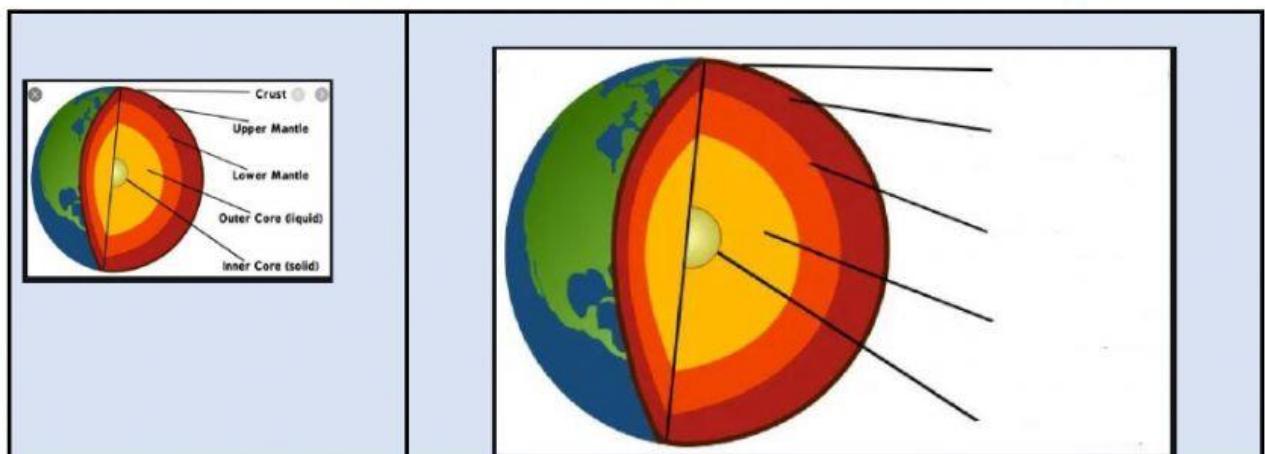
Assignment 1

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%)
Iron (35%)
Oxygen (30%)
Silicon (15%)

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
liquid
solid

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WHAT IS THE ASTHENOSPHERE?

asthenosphere

crust
mantle
core
liquid
solid

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Question 4

What are the earth's Mantle convection currents?



Question 5

The Earth's Layers

