

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Period: \_\_\_\_\_

Date: \_\_\_\_\_

## Earth's Layers

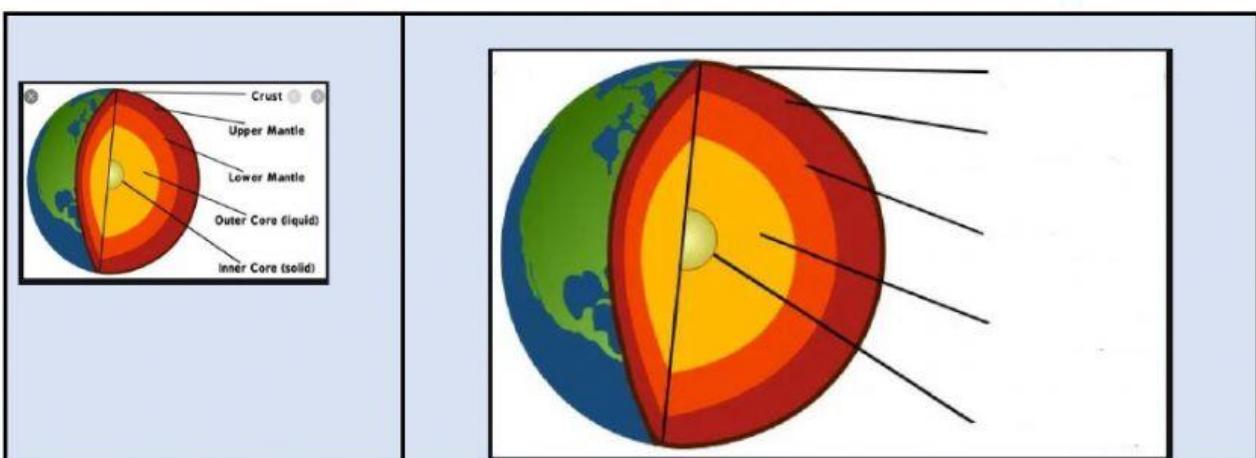
### Assignment 1

Instructions: Watch the Video (do not skip)

<https://www.youtube.com/watch?v=eXiVGEEPQ6c>

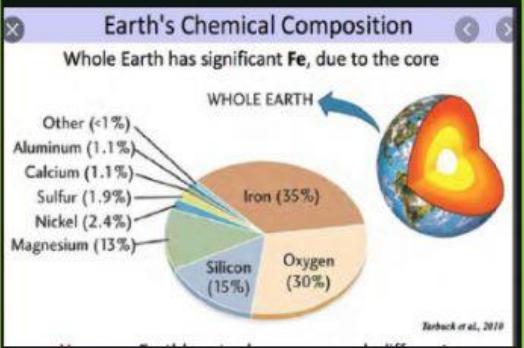
### Question 2

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



The chart illustrates the chemical composition of the Earth. The percentages of the most abundant elements are:

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

Whole Earth has significant Fe, due to the core

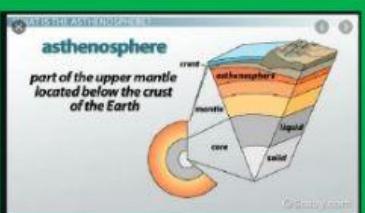
WHOLE EARTH

Turkuck et al., 2010

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?  
\_\_\_\_\_

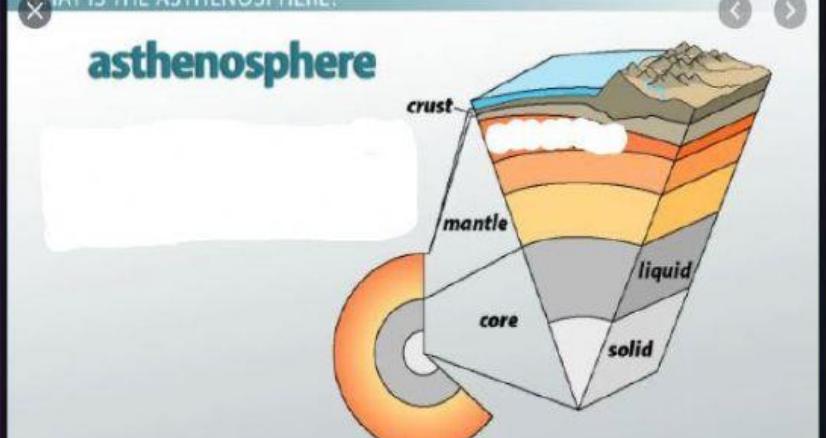
### Question 4

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

### 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

