

## Layers of the Earth

Name \_\_\_\_\_

Use the following website to complete this worksheet.

[https://www.ducksters.com/science/composition\\_of\\_the\\_earth.php](https://www.ducksters.com/science/composition_of_the_earth.php)

The crust is the \_\_\_\_\_ layer of the Earth where we live. The crust varies from around \_\_\_\_\_ km (3 miles) in the ocean floor to around \_\_\_\_\_ km (43 miles) on land. The continental crust is made up of \_\_\_\_\_ that consist of silica and alumina.

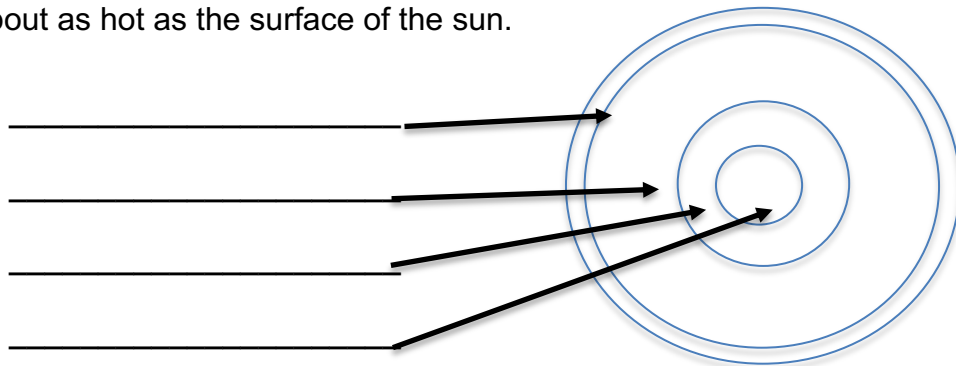
The next layer of the Earth is called the \_\_\_\_\_. The mantle is much thicker than the \_\_\_\_\_ at almost \_\_\_\_\_ km (1864 miles) deep. It is made up of slightly different silicate \_\_\_\_\_.

The tectonic plates are a combination of the \_\_\_\_\_ and the outer \_\_\_\_\_. These plates move \_\_\_\_\_, around a couple of inches a \_\_\_\_\_.

The Earth's outer core is made up of \_\_\_\_\_ and \_\_\_\_\_ and is very \_\_\_\_\_ (4400 to \_\_\_\_\_ + degrees C (8000 degrees F). This is so hot that the iron and nickel metals are \_\_\_\_\_! The outer core is very important to earth as it creates something called a \_\_\_\_\_ field.

The Earth's inner core is made up of \_\_\_\_\_ and \_\_\_\_\_, just like the outer core; however, the inner core is \_\_\_\_\_. The inner core is so deep within the earth that it is under immense \_\_\_\_\_. So much pressure that even though it is so \_\_\_\_\_, it is solid. The inner core is the hottest part of the \_\_\_\_\_, and at over \_\_\_\_\_ degrees C (9000 degrees F), is as about as hot as the surface of the sun.

**Label the layers**



**Layers of the Earth Assessment**

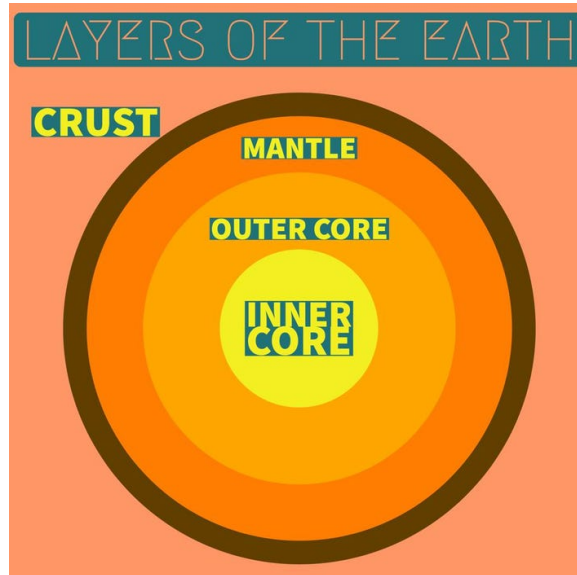
**Name** \_\_\_\_\_

Draw the layers of the Earth and label them. (Remember, they are not all equal distance from the center.)

What is one way the Earth is impacted by the layers of the Earth?

## Layers of the Earth Assessment **Answer Key**

Draw the layers of the Earth and label them. (Remember, they are not all equal distance from the center.) (5 pts for each layer and 5 pts for making the circles in appropriate widths. 25 pts total)



What is one way the Earth is impacted by the layers of the Earth? volcanoes, earthquakes, tectonic plate movements, the mantle has minerals we use, the crust is where we live (build houses, roads, etc.)  
(5 pts)