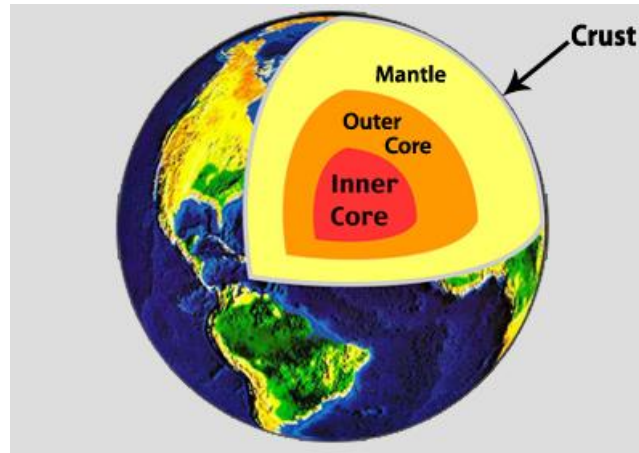


The Layers of the Earth



Crust: Makes up only 1% of the Earth's mass, it's the smallest layer, acts like the skin of an apple and is 3-5 miles thick, made of rock, solids, and dense material, also the temperature varies up to 1600 degrees Fahrenheit because of the surface air.

Mantle: It makes up 67% of Earth's mass, it is the biggest layer, is 1800 miles thick, is composed of rocks, solids, and dense materials, the temperature varies from 1600 to 4000 degrees Fahrenheit.

Outer Core: Its temperature varies from 4000 to 9000 degrees Fahrenheit, it's 1400 miles thick, it is composed of liquid iron and nickel, and is 31% of Earth's mass.

Inner Core: It is 800 miles thick, and is up to 9000 degrees Fahrenheit, it's made of rocks, solids, and dense material because it is compressed so much, and is 1% of Earth's mass.

Questions:

1. Why is the inner core composed of solids and dense materials?
2. What are the layers in order from the layer we live on down to the center of the earth?
3. What is the thinnest and thickest layer?
4. Why does the temperature vary on the earth's crust?
5. The crust is 50 miles thick TRUE or FALSE?

Answers:

1. The inner core is composed of solids and dense materials because it is compressed
2. Crust, Mantle, Outer core, Inner core
3. Thinnest = Crust Thickest = Mantle
4. The temperature on the earths crust varies because of the different surface air temperatures
5. False