Sante e

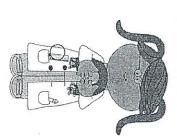
the mantle and the crust the mantle is a region called the Moho that has the ability to flow. At the top of This area marks the boundary between Plasticity is the name given to a solid allows the solid rock to flow slowly. (2,732 degrees Fahrenheit) and a thick liquid. The high temperature upper region of the mantle can flow like elements silicon, oxygen, iron, and the Earth and extends down to 1864 about 125 miles below the surface of the Earth's mass. It begins at a region pressure (21 million psi) in the mantle magnesium. They theorize that the Scientists believe the mantle consists of miles. The mantle is 1,720 miles thick. volume of the Earth and about 68% of The mantle makes up about 80% of the

Crust

Fahrenheit. crust is primarily composed of granite found under the continents. Continenta crust, the continental crust, can be where it is the thinnest. Oceanic crust surface of the ocean is called oceanic miles and 42 miles. The crust under the sedimentary rocks, and metamorphic minerals. The crust is made up of three It is covered with soil, rock, and The average temperature is 50 degrees is made up of basalt. The other type of crust. This is the region of the crust crust varies a great deal between 3 rocks. The thickness of the Earth's different rock types: igneous rocks psi. Most of the crust cannot be seen. all the layers of the structure of the Earth. The crust pressure is 1 million lithosphere. This layer is the thinnest of The top layer of the Earth is called the

Inner Core

The inner core consists of the elements iron and nickel. The temperature in this region reaches 9,000 degrees Fahrenheit. Under normal circumstances with these high temperatures, nickel and iron would easily melt. The inner core, however, is under such great pressure - 54 million psi- that it pushes the particles of iron and nickel together to form a solid. Scientists theorize that the iron core of the magnetic fields around the Earth. The inner core is 730 miles thick.



Outer Core

The outer core consists of the elements iron and nickel. The outer core is part of a two-part core system. Scientists theorize that this region of the core is a liquid. The liquid nature of this layer is why scientists separate the core into a two-layer system. The outer core is about 1,360 miles thick and 46 million psi. Scientists think that this layer is probably composed of mostly nickel. The temperature of the outer core is about 6,870 degrees Fahrenheit.