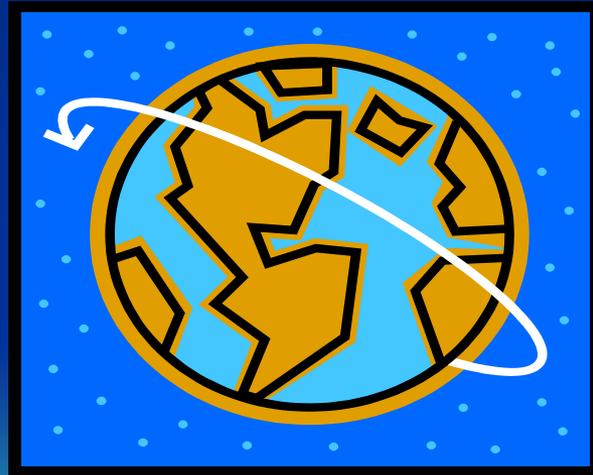


The Layers of the Earth!



Earth Layers



The Earth is divided into 4 main layers.

- Inner Core
- Outer Core
- Mantle
- Crust

The Crust

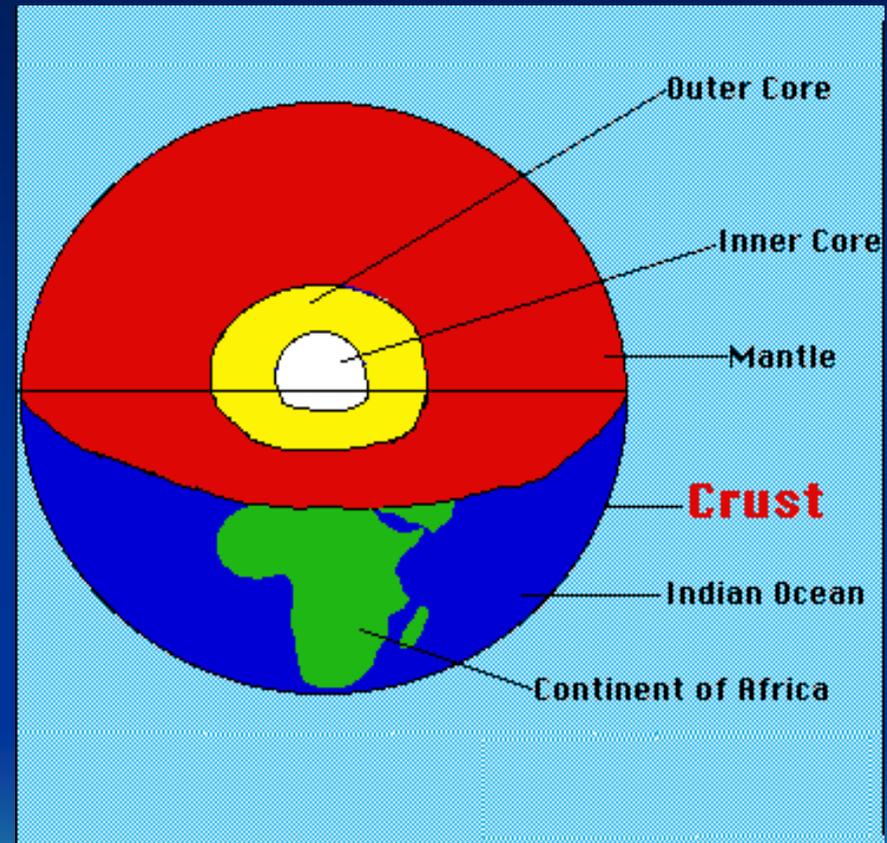
The crust is that part of the earth that has cooled and hardened and is exposed to the atmosphere.

You would call it land.. It exists everywhere, even under the **oceans.**



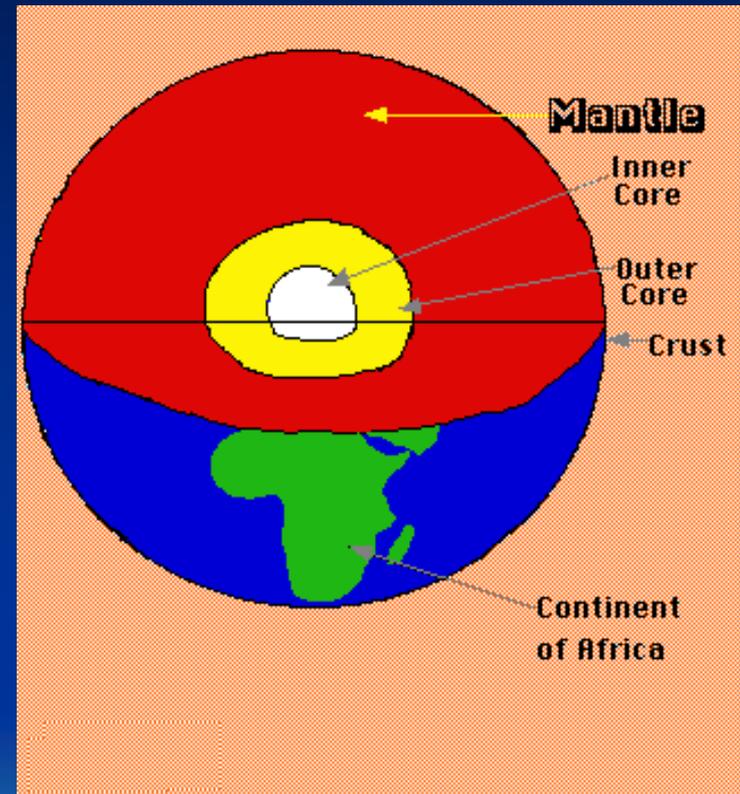
The Crust

- The Earth's crust is like the skin of an apple. It is very thin compared to the other three layers.
- The crust makes up 1% of the Earth.
- The crust of the Earth is broken into many pieces called plates.
- These plates are pushed by pressure from the magma found in the mantle below



The Mantle

- The mantle is the layer below the crust.
- The mantle is the largest layer of the Earth.



Linear (line) Eruption

The mantle is where molten rock called magma is heated and rises to the surface through cracks in the crust at plate boundaries OR in weak areas of the crust.

This “new” volcano is over 1km long. It is a line of lava escaping at a major fault line in Iceland. It will eventually make the cone shape of a volcano.





Volcanoes not only occur at plate boundaries but they also occur where there may be a weakness in the crust.

[Check out this video!](#)

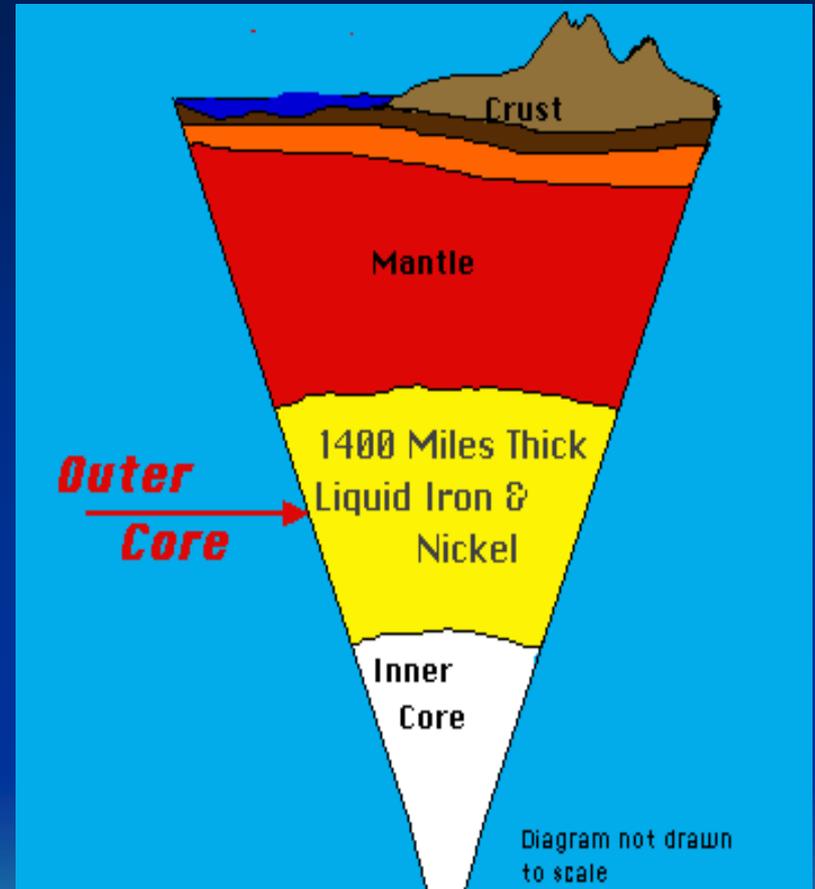


Outer Core

The core of the Earth is like a ball of very hot metals.

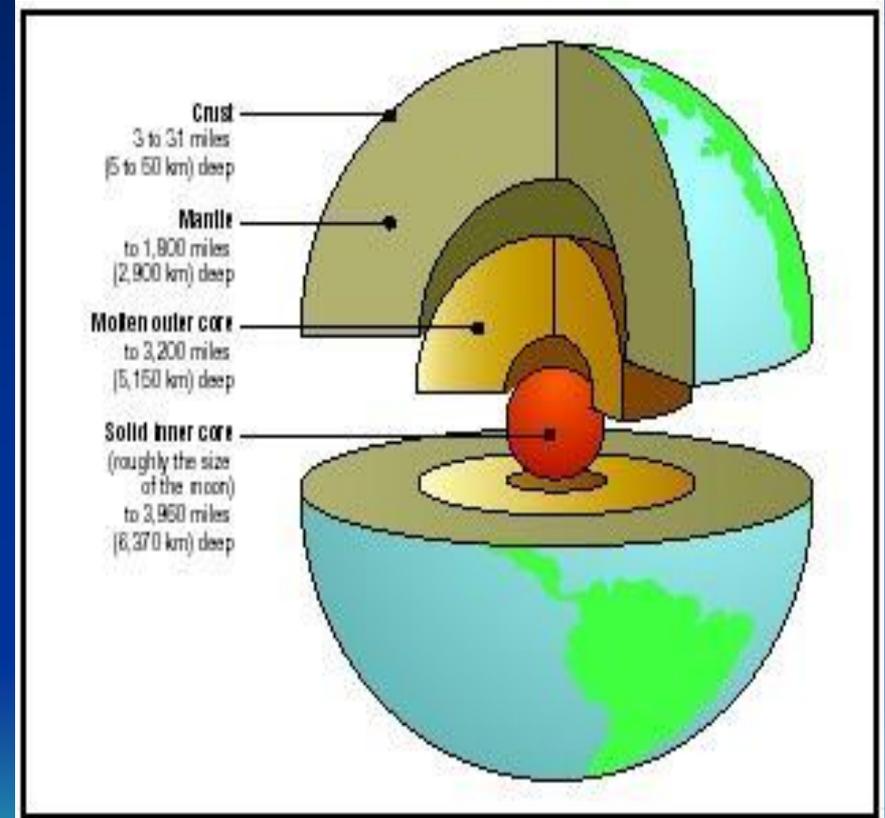
The outer core is liquid, molten rock.

The outer core is made up of iron and is very dense (thick).



Inner Core

- The inner core is solid.
- The inner core of the Earth has temperatures and pressures so great that the metals are squeezed together and are not able to move



Review

- 1) What are the four layers of the Earth?
- 2) The Earth's crust is very _____?
- 3) The mantle is the largest layer of the Earth? True or False
- 4) Is the Outer Core a liquid or a solid?



Answers!

- 1) Crust, Mantle, Outer Core, Inner Core
- 2) Thin
- 3) True
- 4) Liquid

