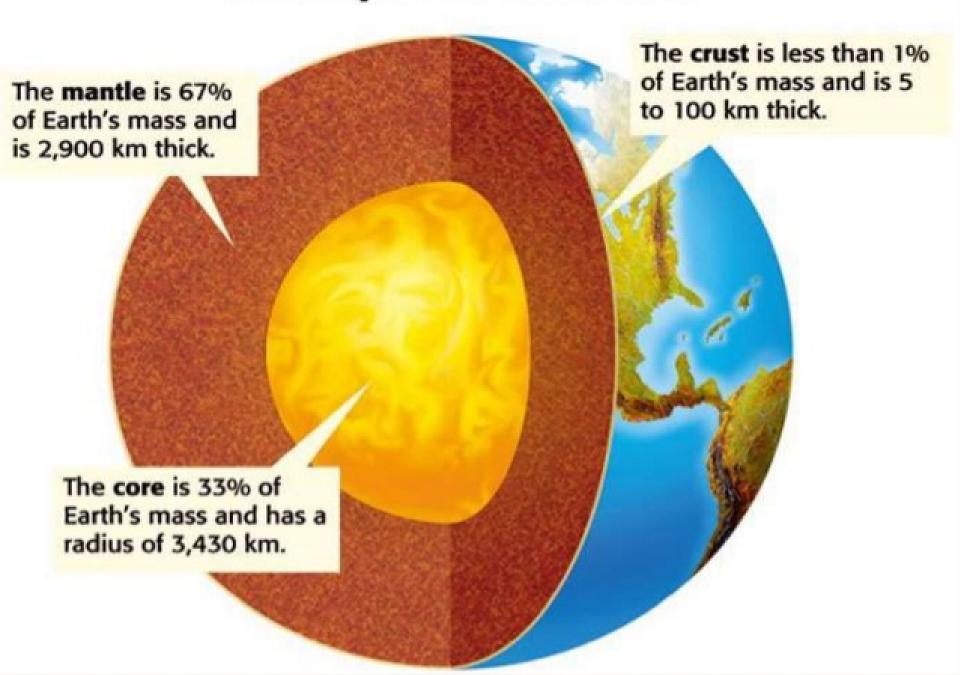
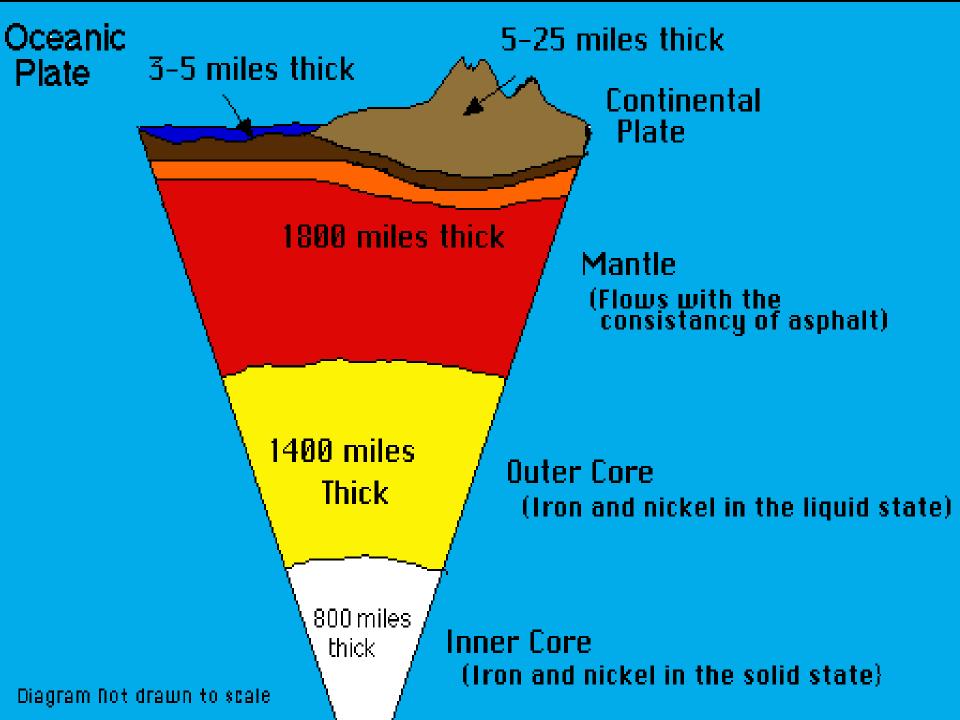
Oceanology 4

Prof. Dr. Nilsun Demir

The Composition of the Earth





Crust

- Surface layer
- Made of Aluminum and Magnesium silicate
- Thickness 55 km
- Density 2.70-298 g / cm3
- Temperature 500 C
- It constitutes 0.4% of the earth

Mantle

- It is a solid-elastic structure
- Magnesium and iron silicate
- Temperature 2500 C
- Thickness 2900 km
- Average density 4.5 g / cm₃
- 68% of the Earth

Outer core

- Temperature 5000 C
- Liquid iron and nickel
- Thickness 2200 km
- Its density is 11.8 g / cm3
- It forms 31.5% of the Earth's surface with the inner core

Inner core

- Iron and nickel
- Thickness 1300 km
- Its density is 17 g / cm³
- Temperature 6000 C