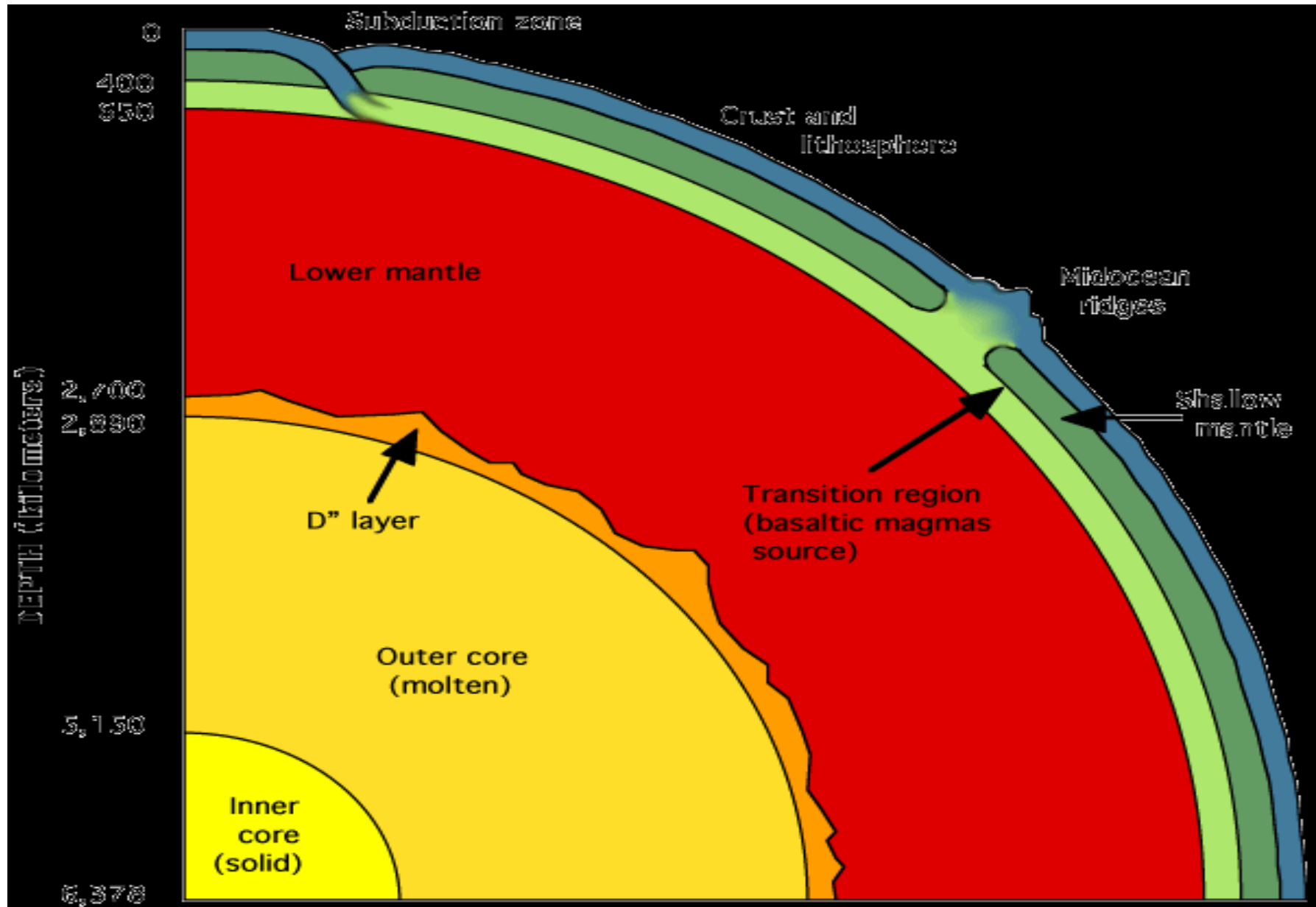
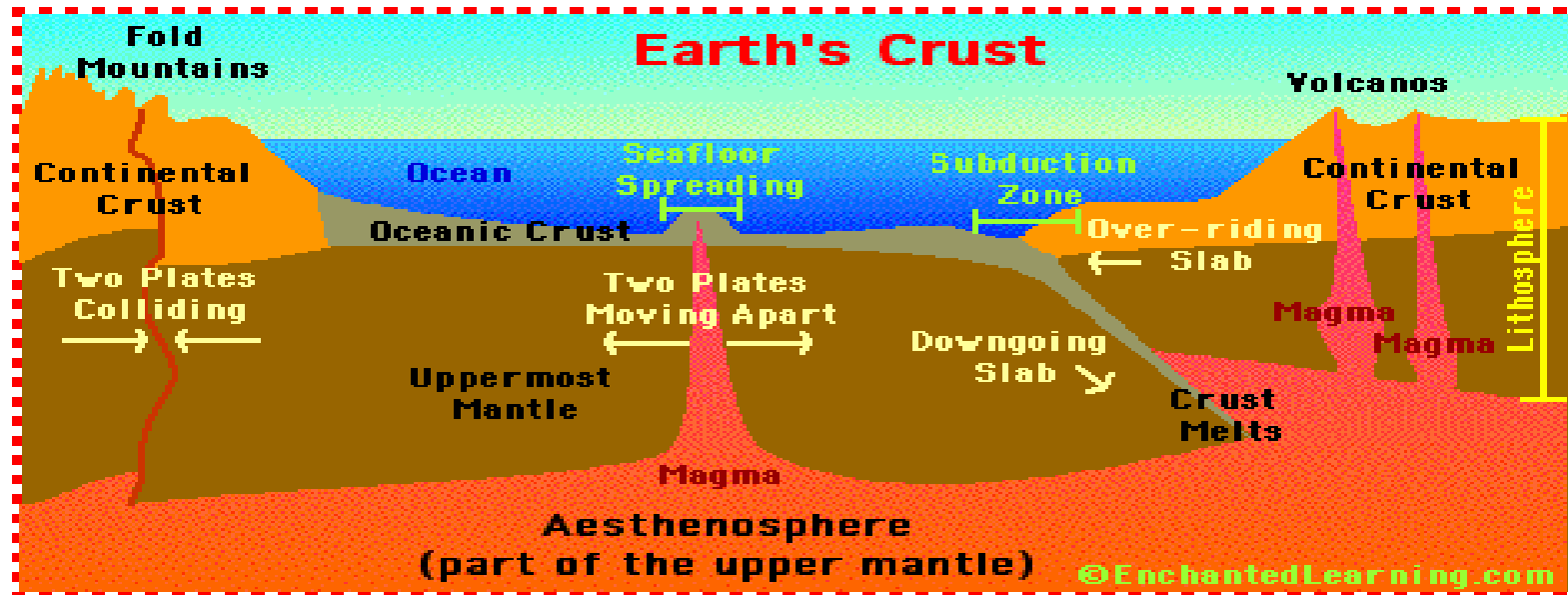


# The Structure of the Earth



# The Crust



outer layer of the earth

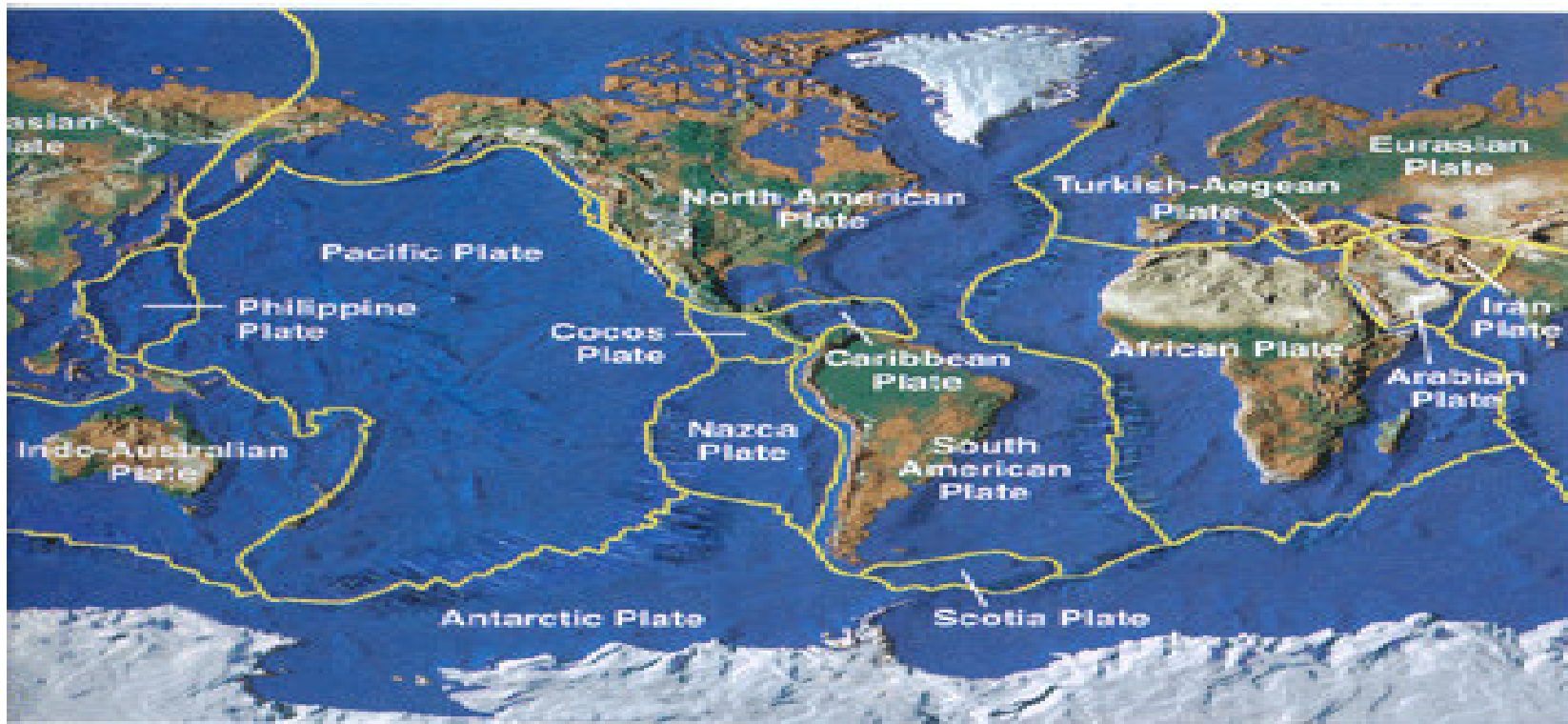
a. solid rock

b. mainly – **Igneous rocks**

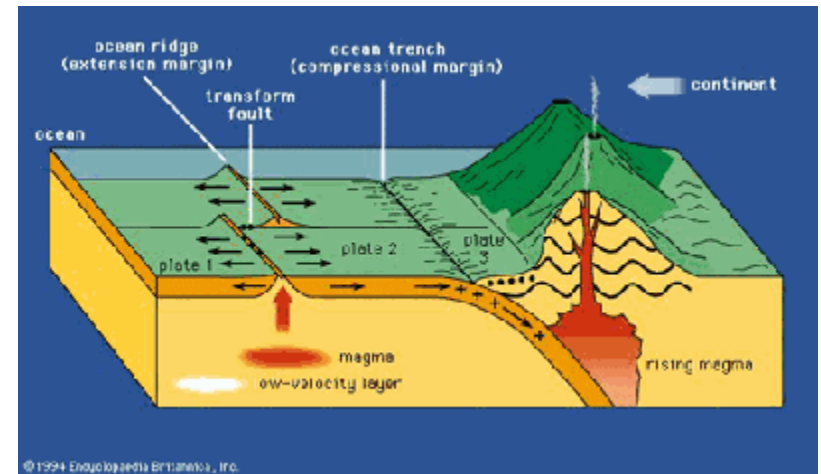
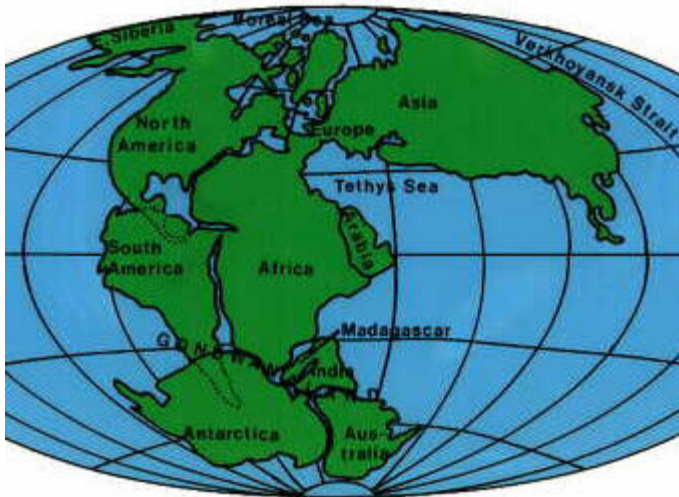
basalt and granite

# The Earth's Crust is Divided into Plates

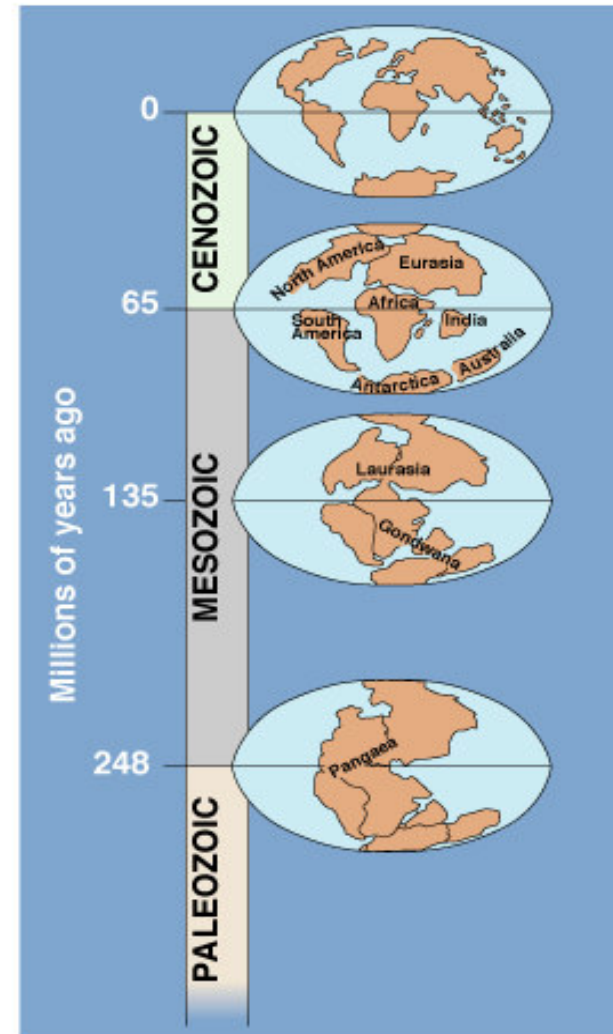
- a. These plates move slowly
- b. They float on molten rock
- c. The continents and oceans change position



# Continental Drift causes the Earth's Plates to Move



# Separating and Colliding Plates

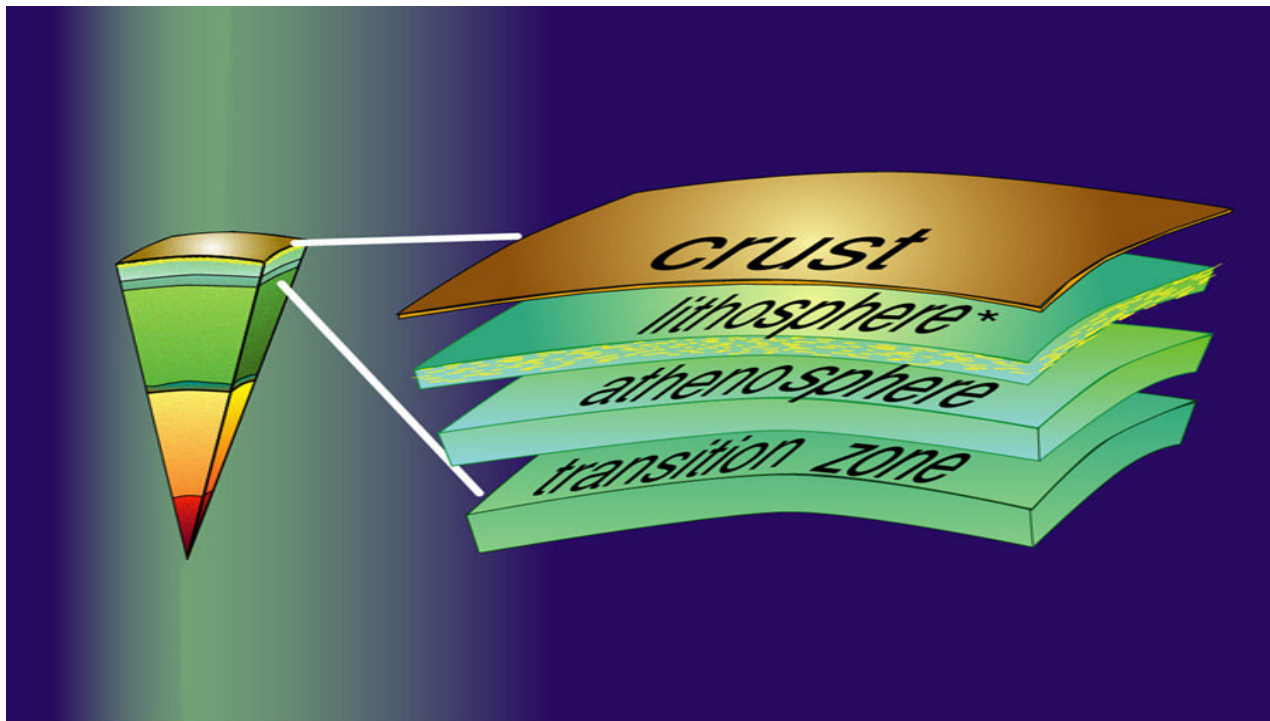


**American Plate** is moving away from the **Eurasian Plate** – a Zone of Separation

The **Pacific Plate** and the **Australian Plate** are moving towards each other – a Zone of Collision

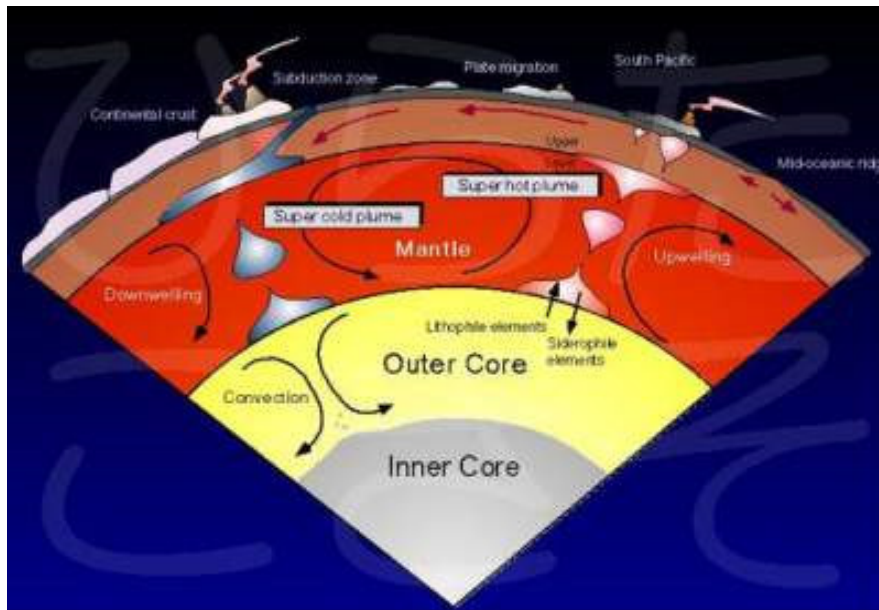
# Transition Zone

- a. Hot molten rock
- b. Cooled semi-solid rock substances



# The Mantle

- a. Very hot rock exposed to great pressure
- b. Rocks melt and flow (like rivers)
- c. This flowing material is called **Magma**



## The Core

- a. At the centre of the earth
- b. Nickel and Iron
- c. 4000 degrees Celsius

