

QUESTION OF THE DAY



- What are the 3 layers of the Earth?
- What are these layers based on? (What differentiates one layer from the other layers?)



THE GEOSPHERE

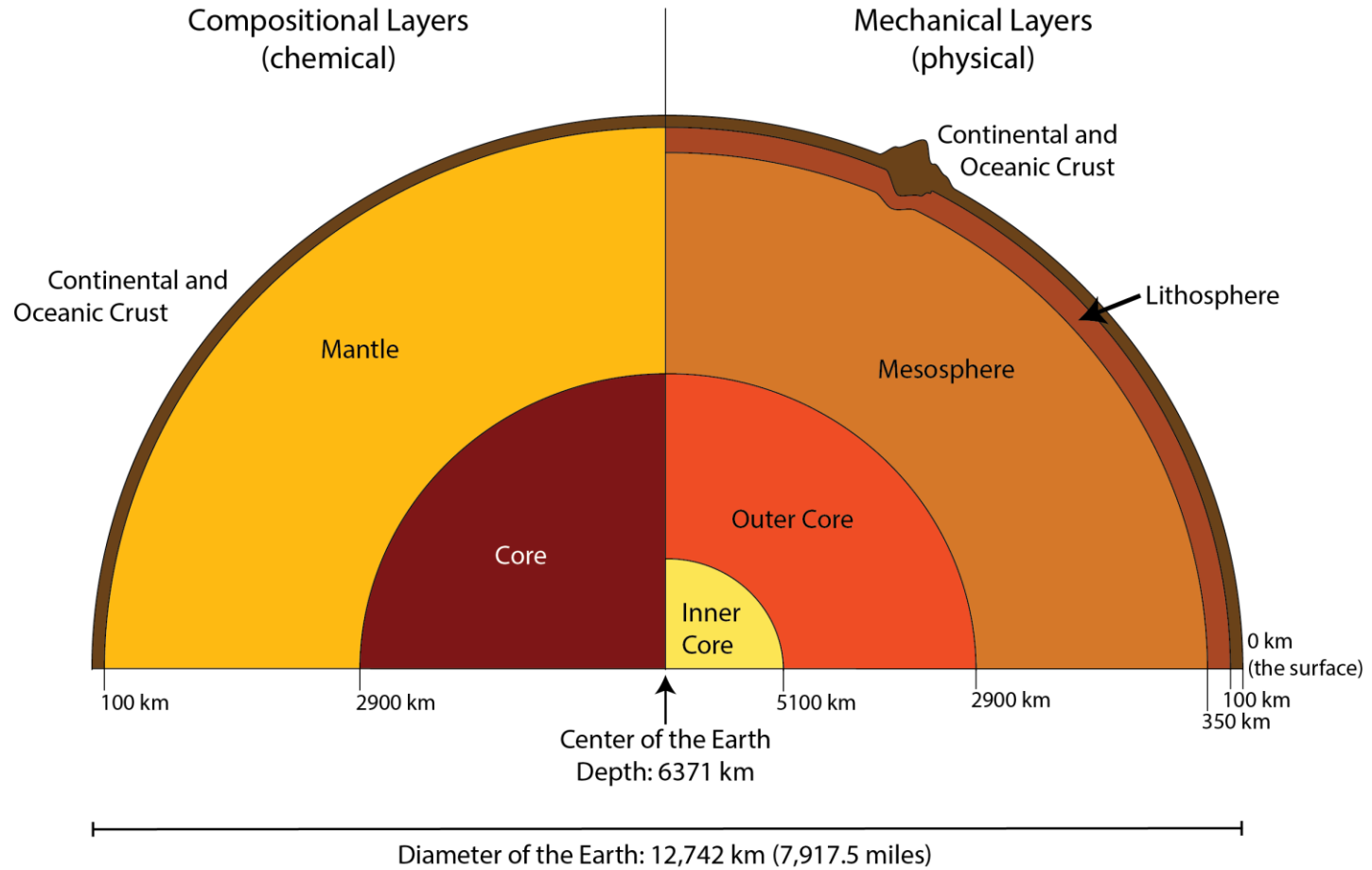
THE SOLID PART OF THE EARTH.

STRUCTURE OF THE EARTH

If we consider the physical properties of each layer, instead of their chemistry, Earth can be divided into 5 layers

1. Lithosphere
 - Cool, solid and rigid
2. Asthenosphere
 - Partially molten layer of the upper mantle that flows slowly
3. Mesosphere
 - The lower layer of the mantle
4. Outer Core
 - Made of very dense liquid
5. Inner Core
 - It is solid because it is under enormous pressure
 - Temperature is estimated to be between 4,000°C and 5,000°C

Two different views of the interior of the Earth



Nooreen Meghani 2016



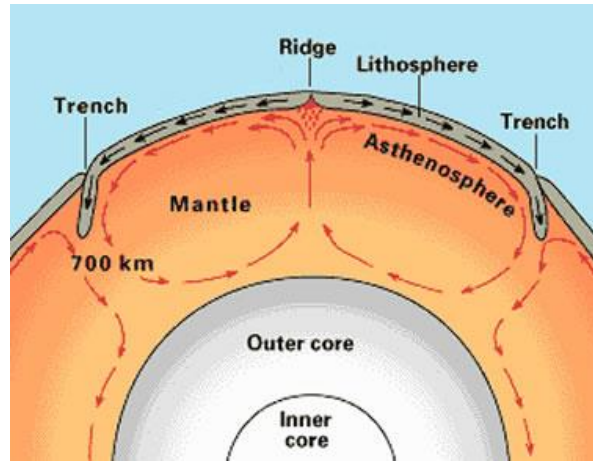


ALFRED WEGENER AND CONTINENTAL DRIFT

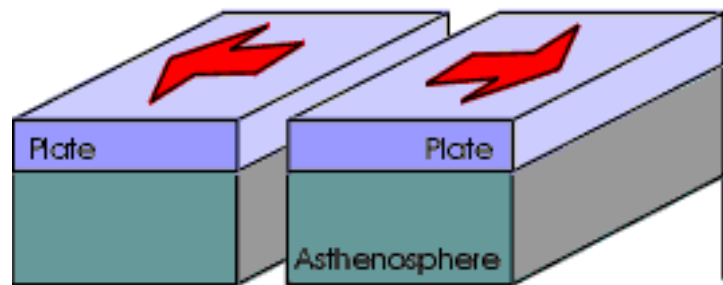
- German scientist who developed the theory of continental drift.
- Wegener gathered evidence of Pangaea through fossils.
- How?



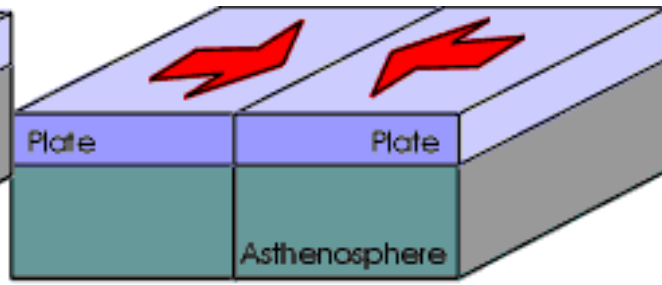
TECTONIC PLATES



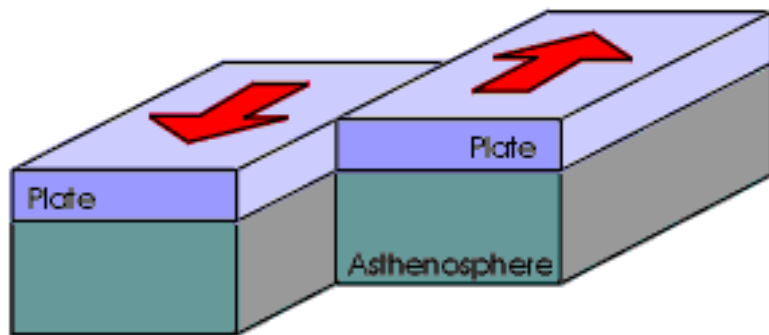
- Make up the lithosphere
- Glide along the top of the asthenosphere
- The continents are located on tectonic plates and move around with them.



Divergent



Convergent



Transform

PLATE BOUNDARIES