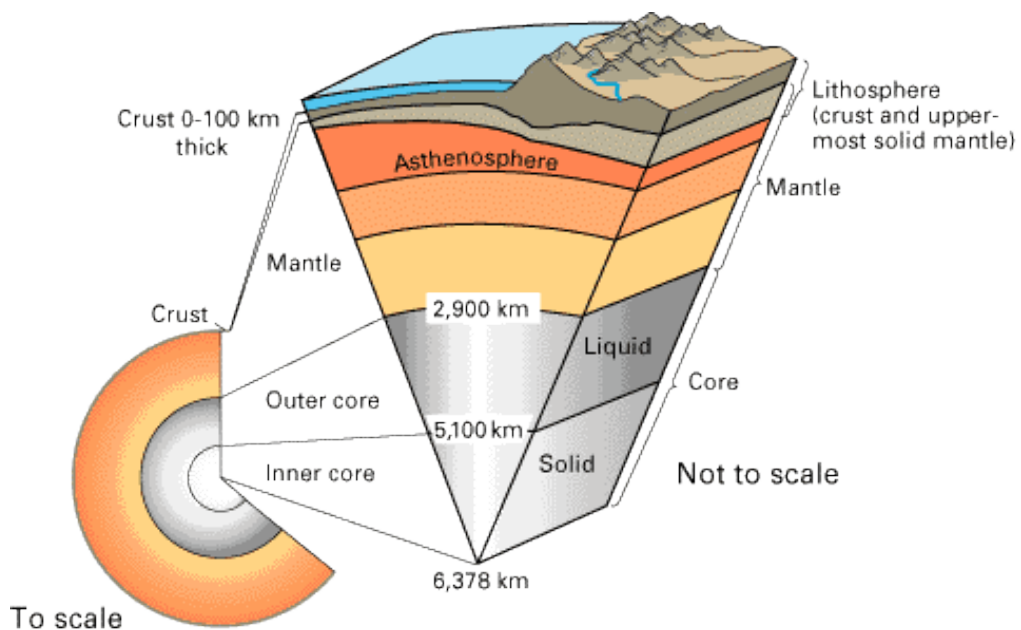


## Structure of the Earth

Earth is made up of three layers:

| Layer  |               | Description:<br>What is it made up of? | How thick is it?     |
|--------|---------------|--|----------------------|
| crust  |               |  |                      |
| mantle | lithosphere   |  | <b><u>3000km</u></b> |
|        | asthenosphere |  |                      |
|        | Lower mantle  |  |                      |
| Core   | Outer Core    |  |                      |
|        | Inner Core    |  |                      |



The surface of the earth is warmed by \_\_\_\_\_ from the sun and through contact with the Mantle, which is hot because of \_\_\_\_\_ and \_\_\_\_\_.

The lithosphere is divided up into \_\_\_\_\_ that float on the denser \_\_\_\_\_. Plate tectonics is the theory that explains this plate movement and its consequences (earthquakes, volcanoes).

### Continental Drift

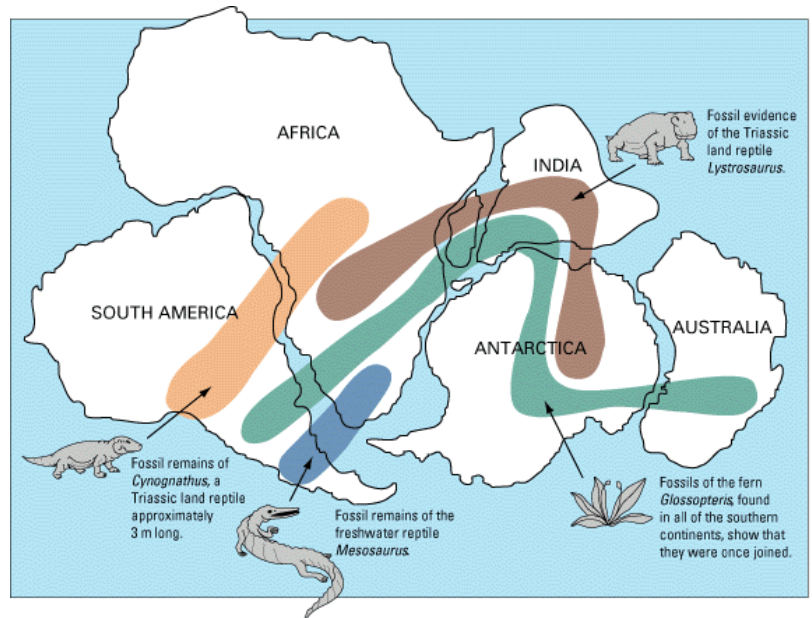
In the early 1900s \_\_\_\_\_ proposed the Theory of Continental Drift, which stated that the continents fit together like a puzzle (Africa and S.America), suggesting that a supercontinent, named \_\_\_\_\_, once existed and pieces of it have since 'drifted' apart.



### Evidence of Continental Drift

#### Fossil evidence

Mesosaurus: purely \_\_\_\_\_ reptile  
Glossopteris: seeds too large to be effectively \_\_\_\_\_-transported



**Rock Evidence:**

Rock types show strong correlation across the Atlantic, as did mountain ranges of similar \_\_\_\_\_.

Coal deposits from \_\_\_\_\_ forests are found in \_\_\_\_\_



**Geometry Evidence:** shape of the continents

E.g. the shape of the west coast of \_\_\_\_\_ and the east coast of \_\_\_\_\_ are remarkably similar and were perhaps once joined



**Glacial evidence**

- \_\_\_\_\_: extensive periods when glaciers covered most of the earth
- Evidence of glaciers in India

