

Physical landscapes

- tectonic forces

- Denudation

Evolution of theory

- Longtime theory

- 1950's

- PANGAEA

Pieces of Evidence

- 1) Cartographic evidence

- 2) Paleontological

- 3) Paleoclimatological

- 4) Ring of Fire

Major Reason for opposition?

- Driving mechanism?

Plate tectonics

- provided answers to many unknowns

Earth Structure: A boiled egg

- The inner earth
- 3 parts
 - core
 - mantle
 - Crust

Plate density

- how do they float?
- 1) continental crust
- 2) oceanic crust

Plate Boundaries and associated characteristics

- 1) Divergent plate

Landforms

Mid-Atlantic Ridge

Surtsey island

rift zones

East African Rift zone

divergent volcanoes

- Non-explosive volcanoes

2) Convergence zones

- Oceanic-continental

- violent tectonic activity

Why violent?

Subduction zone landforms

continental-continental