Part 5 - Forces Inside Earth

A. Moving Earth

* **Pangaea (Alfred Wegener) –**
* Forces inside the Earth are constantly reshaping its surface
* **Theory of Plate Tectonics** –
* Plates include continents, parts of continents, and parts of the ocean floor.
* Plates sit on streams of nearly melted rock called magma
* Magma acts as a conveyor belt moving plates around

B. Earthquakes

* Occur when plates slide together
* They often happen at seams in Earth’s crust known as faults
* **Faults -**
* Some go unnoticed, but some destroy buildings and cities

C. Volcanoes

* Movement of continental plates creates great pressure inside the Earth
* **Volcanoes -**
* **Lava -**

* Volcanoes also blast large amount of rocks, ash, and poisonous gases into the air during an eruption

D. Natural Hazards

* Environmental events that threaten people’s lives and property
* Include volcanoes, earthquakes, tornadoes, landslides, and floods.
* People who live in these areas usually take precautions to protect themselves
* Architects now design buildings to withstand natural disasters