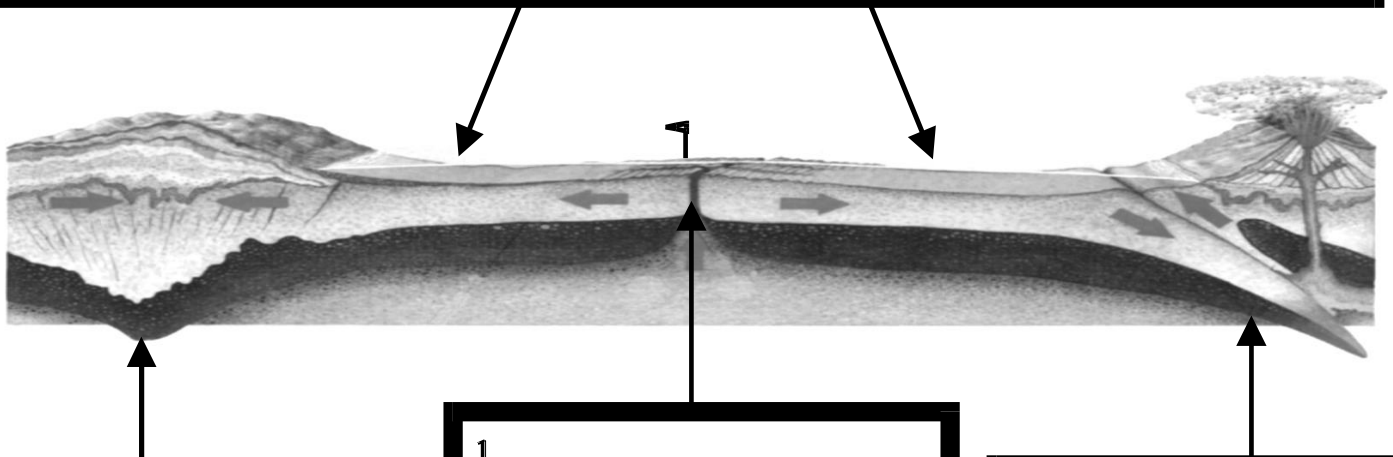
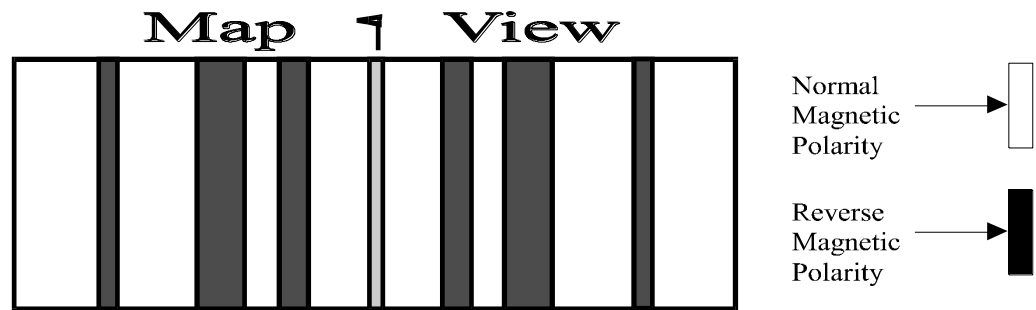


Topic : Plate Tectonics

Aim:

2. **Magnetic Reversals** provide evidence for sea-floor spreading
- symmetrical pattern on opposite sides of ridge
 - cyclical shifting of Earth's magnetic pole



3. **Convergent Plate Boundary**

continent-to-continent collision

- lithosphere piles up thickening the crust
- leads to mountain building

Ex. formation of the Himalayas in India

1. **Divergent Plate Boundary**

plates move away from each other

Mid Ocean Ridges
submerged mountain and volcanic ranges

convection currents
in mantle drive plate movements

- causes hot material to rise up to create new oceanic crust (youngest rocks are found nearest to ridge)

4. **Convergent Plate Boundary**

ocean crust-to-continent collision

- Subduction Zones**
- dense ocean crust forced under continent
 - ocean crust sinks into mantle and melts
 - forms volcanoes and volcanic island arcs