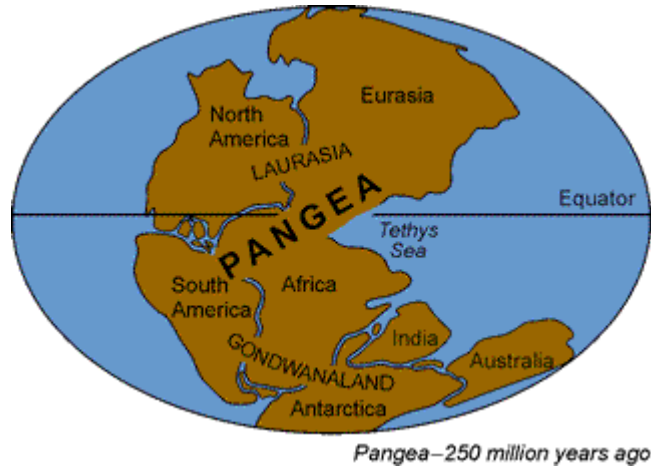


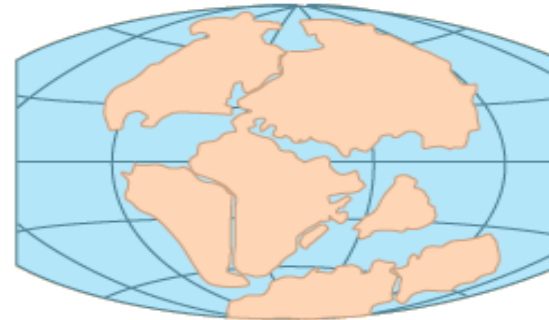
# PLATE TECTONIC



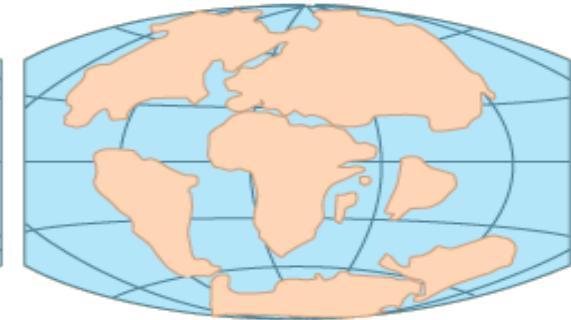
**PERMIAN**  
225 million years ago



**TRIASSIC**  
200 million years ago



**JURASSIC**  
135 million years ago



**CRETACEOUS**  
65 million years ago



**PRESENT DAY**

The Earth consists of four concentric layers: inner core, outer core, mantle and crust. The crust and uppermost of solid mantle are known as lithosphere. Whereas asthenosphere is highly viscous, mechanically weak and semi-molten region of the upper mantle of the Earth. And, lithosphere floats over asthenosphere.

## The seven major plates are:

1. North American plate (with the western Atlantic floor separated from the South American plate along the Caribbean islands)
2. South American plate (with western Atlantic floor separated from the North American plate along the Caribbean islands)
3. Pacific plate
4. Antarctica and the surrounding oceanic plate
5. Eurasia and the adjacent oceanic plate)
6. Africa with the eastern Atlantic floor plate
7. India-Australia-New Zealand plate

While Pacific plate is the largest of them all, South American plate is the smallest.

### Minor plates:

1. Carribbean Plate
2. Cocos Plate
3. Caroline Plate
4. Juan de Fuca Plate
5. Juan Fernandez micro Plate
6. Iranian Plate
7. South sandwich Plate
8. Myanmar Plate
9. Anatolian Plate
10. Nazca Plate
11. Nubian Plate
12. Philippines Plate
13. Okhotsk Plate
14. Scotian Plate
15. Eastern micro Plate
16. Somalian Plate
17. Arabian Plate
18. Solomon Plate
19. Fiji Plate
20. Bismarck Plate

