

CONTEMPARY INDIA-1

WELCOME TO STD IX

SUBJECT : (GEOGRAPHY)

CHAPTER NUMBER: 2

**CHAPTER NAME : THE PHYSICAL FEATURE OF
INDIA**

CHANGING YOUR TOMORROW

SUB TOPICS

- Formation of Physical Features
- Movement of Plates
- History of the India sub-continent Landmass Formation
- Formation of Himalayas

Formation of Physical Features

Theory Of Plate Tectonic

- India is a vast country with Mountains, deserts, plains and Islands.
- Land surface is formed of rocks of various colors and composition.
- There are hard rocks like Granite and soft rocks like – Sand Stone.
- Along with geological formations processes like weathering, erosion and deposition created and modified the relief to its present form.

THEORY OF PLATE TECTONIC

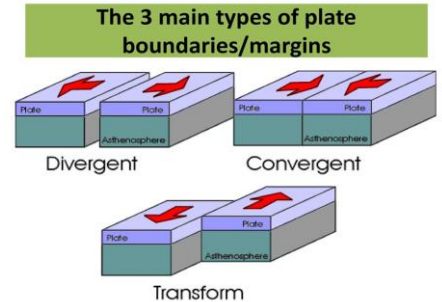
According to Earth Scientists Earth's surface is a combination of several crustal plates (seven major and some minor) which float above mantle.(Theory of Plate Tectonics)

● Endogenic Force

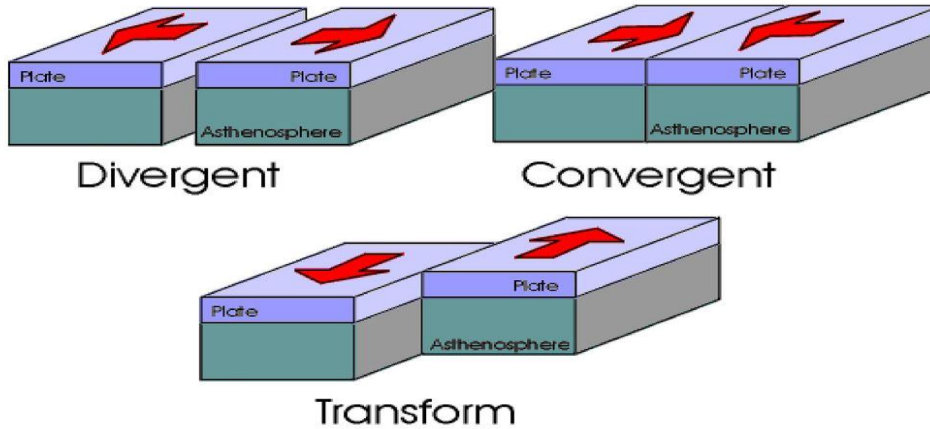
- **Formation of Cells-** The heat from the core set off disturbances called convection cells in the mantle.
- These convection cells are formed by rising current of heated magma. On reaching the top, the magma cools, becomes heavy and sinks, only to get heated and rise once more. These rising current of heated magma cause the tectonic plate floating on the asthenosphere to move around in three direction.

Major Three Plate boundaries

- **Convergent:-** Plates moving towards each other.
 - **Divergent :-** Plates moving away from each other.
 - **Transform :-** Plates moving parallel motion.
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- These movements of tectonic plates causes earthquake, Volcanic activities, fold and faulting.



The 3 main types of plate boundaries/margins



<https://www.youtube.com/watch?v=yBr-D1cFmEs>

HOME ASSIGNMENT

- **What are tectonic plate?**
- **Which continents of today were the parts of Gondwana land?**
- **What is the Theory of plate tectonic?**
- **What happen when two plates collide with each other?**

THANKING YOU
ODM EDUCATIONAL GROUP