

# CONTEMPARY INDIA-1

## WELCOME TO STD IX

**SUBJECT : (GEOGRAPHY)**

**CHAPTER NUMBER: 2**

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

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**CHANGING YOUR TOMORROW**

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# THEORY OF PLATE TECTONIC

- Plate movements towards each other causes folding and thus many fold mountains like Himalayas are formed.
- Plates when move away from each other oceans were formed.
- When plates slide past each other along transform boundary earthquakes are caused.
- Most of the volcanoes are located along plate boundaries.

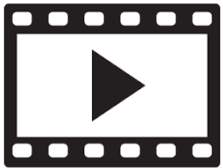
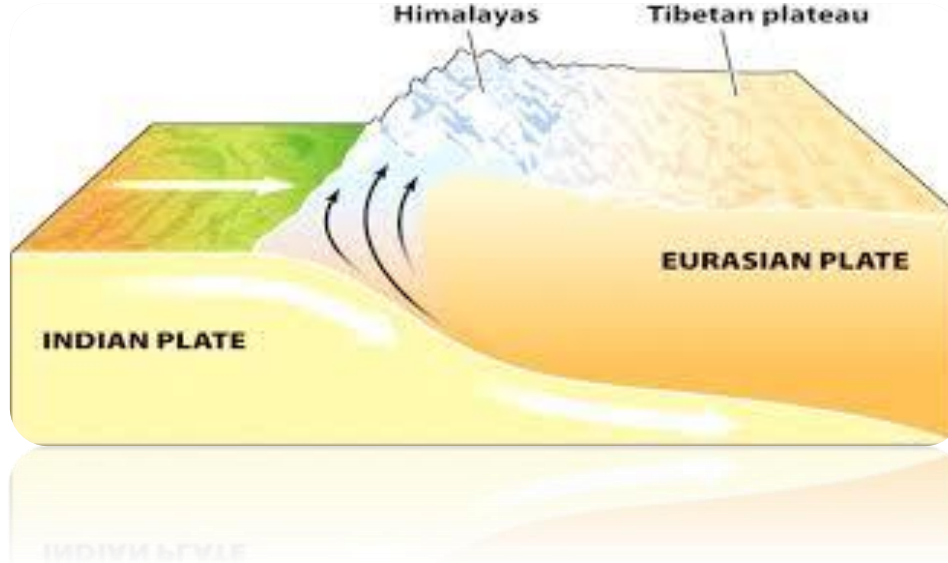
**Eurasian plate, North American plate, South American plate, Indo- Australian plate, African Plate, Pacific Plate and Antarctica Plate.**



# Formation of Himalayas

- The oldest landmass was (peninsular part) of which Gondwana land was the Southern part and Angaraland was northern part.
- India, Australia, South America, Africa and Antarctica were part of Gondwana land.
- Convectional current split the Earth's crust into a no. of fragments thereby leading to the drifting of the Indo-Australian plate towards the north after being separated from Gondwana land.
- The Northward drift resulted in the collision of this plate with much larger Eurasian plate.
- Due to this collision , the sedimentary rocks which were accumulated in the geosyncline called **the Tethys**, were folded to form the mountain system of west Asia and Himalayas.
- The Himalayas represent a youthful topography with high peak, deep valleys and fast-flowing rivers.

# HIMALAYAS FORMATION



<https://www.youtube.com/watch?v=PD rMH7RwupQ>

<https://www.edumedia-sciences.com/en/media/565-formation-of-the-himalayas>

## DRIFT PERIOD



## COLLISION PERIOD



# FORMATION OF HIMALAYAS

# Assignment For Today

- 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?
- Which are the three types of plate boundaries/movement?
- Mention seven major tectonic plates of the Earth's crust.
- Which area comprised the Gondwana land?
- Which two plates collided with each other when Gondwana land splits?
- From which type of boundary were Himalayas formed?
- Name the geosyncline which formed the mountain system of western Asia and Himalayans .
- Mention the division of super continent pengea.

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**