

WELCOME TO SOCIAL SCIENCE

SUBJECT : (GEOGRAPHY)
CHAPTER NUMBER: 3
**CHAPTER NAME : THE CHANGING FACE OF THE
EARTH**

CHANGING YOUR TOMORROW

THEORY OF PLATE TECTONIC.

According to the theory, the lithosphere is broken up into number of pieces called tectonic or lithosphere plates. It consists of crust and outer parts of upper mantle. There are six major and 20 minor plates, all of which floats independently.

- The movement of these plates causes changes on the surface of the earth.

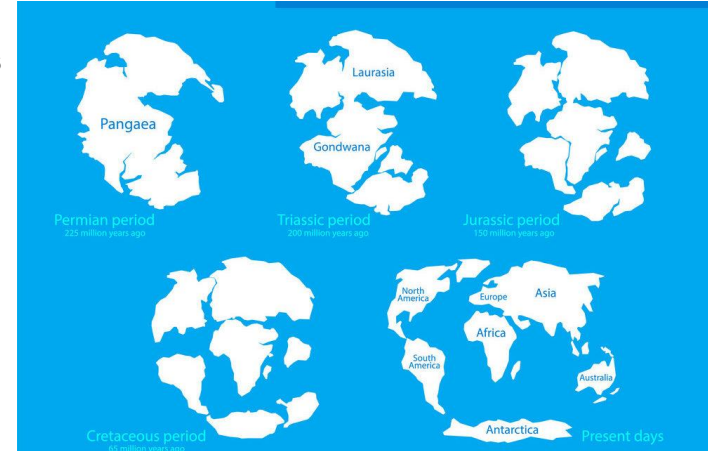
The earth movements are divided based on the forces that cause them on the basis of the forces which cause them

- Endogenic forces:** The forces which act in the interior of the earth. Endogenic forces sometimes produce abrupt movements due to which earthquakes and volcanoes occur and cause mass destruction over the surface of the earth and at the other times to produce slow movements.

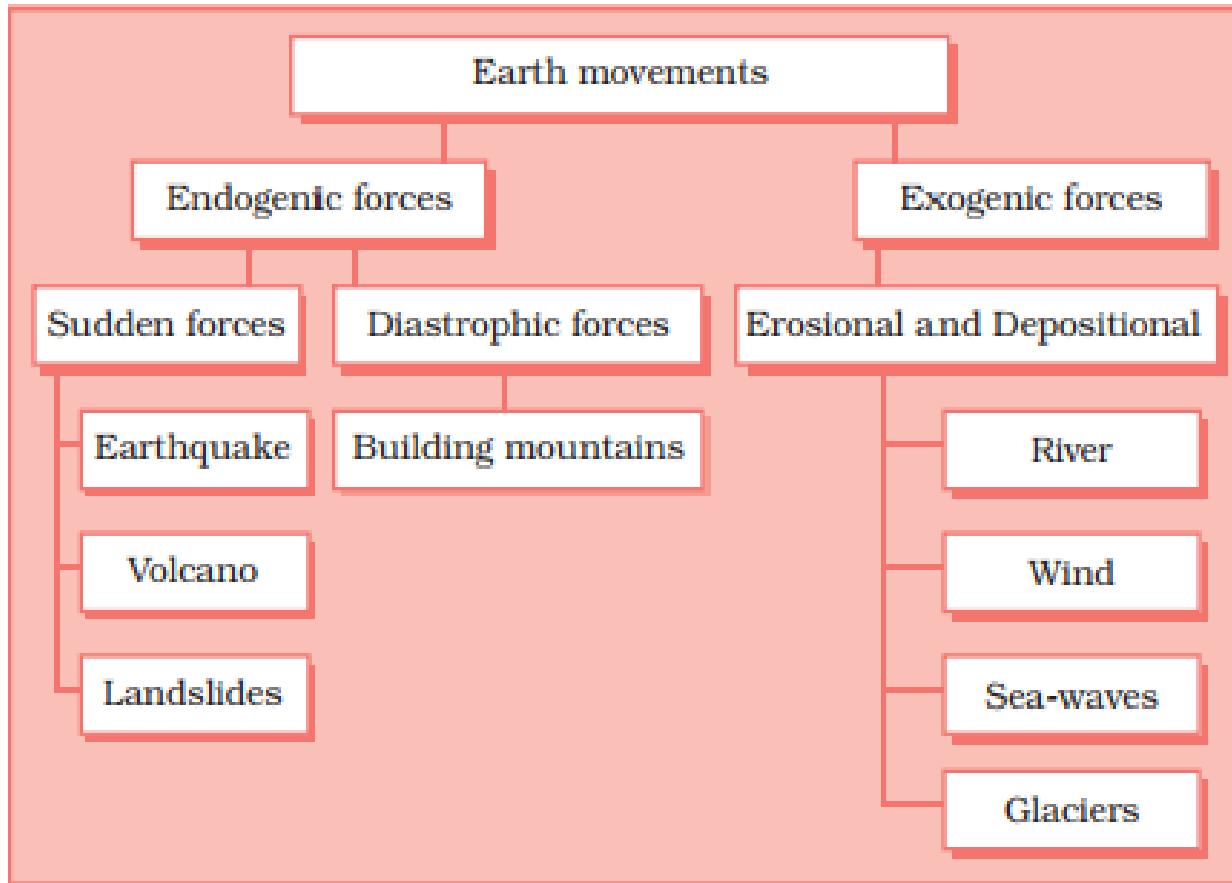
- Exogenic forces:** The exogenic forces work on the surface of the earth.

- Volcano:** It is an opening or a vent in the earth's crust through which molten material erupts.

- Earthquakes:** Lithospheric plates move, the surface of the earth vibrates. The vibrations can travel all around the earth. These vibrations are called earthquakes.



<https://www.youtube.com/watch?v=UvIDxu7twpc>



Endogentic Force

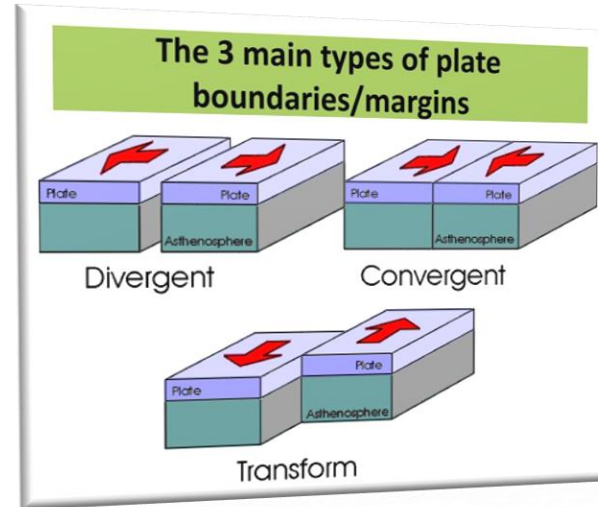
Formation of Cells- The heat from the core set off disturbances called **convection cells** in the mantle.

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:-

Convergent:- Plates moving towards each other.

Divergent :- Plates moving away from each other.

Transform :- Plates moving parallel motion.



transform

THANKING YOU
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