

## Lithospheric plates

The lithosphere broken into a number of plates is known as the lithospheric plates.

- These plates move around very slowly - just a few millimetres each year.
- This is because of the movement of the molten magma inside the earth.
- The movement of these plates causes changes ~~on~~ the surface of the earth.
- The earth movements are divided based on the forces that causes them on the basis of the forces which cause them ~~endogenic forces~~.

Endogenic forces: The forces which act in the interior of the earth. Endogenic forces sometimes produce abrupt movements due to which earthy shakes and cause mass destruction over the surface of the earth and at the other times to produce ~~slow~~ slow movements.

exogenic forces. The exogenic forces work on the surface of the earth. ~~Endogenetic~~

Endogenetic 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 these direction:-  
Convergent:- Plates moving towards each other.  
Divergent:- Plates moving away from each other.  
Transform:- Plates moving parallel motion. There are different kinds of mountains:-

~~(Folded ~~block~~ mountains)~~

~~Fold mountains: Fold mountains are formed when.~~

They are fold mountains (folded mountains)

Fault-block mountains (Block mountains).

Fold mountains are formed when two plates collide head on, and their edges crumpled,

Much the same way as a piece of paper folds when pushed together. Examples of fold mountains include: Himalayan mountains in Asia and the Alps in Europe. These mountains form when faults or cracks in the earth's crust force some materials or blocks of rock up and others down. Examples of fault-block mountains include: the Sierra Nevada mountains in the North America.

### MCQs

Q1. The earth's crust is broken into a number of huge parts. They are called

- (a) lithospheric plates      (c) sedimentary plates  
(b) metamorphic plates      (d) none of these

Q2. Which one of the following forces originates in the interior of the earth?

- (a) exogenic forces      (c) Both (a) and (b)  
(b) endogenic forces      (d) None of these

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Q 3. Sudden movements in the earth are called

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(a) earthquakes

(c) focus

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(b) building mountains

(d) non of these

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