

How  
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Q1. The crust is broken into a number of huge parts. They are called:-

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

Q2. Which one of the following originates in the interior of the Earth?

- a) ~~lithospheric plates~~ Exogenic forces
- b) Endogenic forces
- c) Both (a) and (b)
- d) None of these

Q3. Sudden movement in the Earth are called

- a) Earthquakes
- b) Building mountains
- c) focus
- d) None of these

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 ~~movements~~ movements of these plates cause changes on the surface of the Earth. ~~The~~
- The Earth movements are divided based on the forces which cause them to move.

### ➤ Endogenic forces:-

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.

Endogenetic Forces: 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 move around in three directions:-

Convergent - Plates moving towards each other.  
Divergent - Plates moving away from each other

Transform - Plates moving parallel motion.

These are different kinds of mountains:

Fold mountains (Fold 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: Himalayas mountains in Asia, the Alps in Europe. These mountains form when faults or cracks in the Earth's crust force some materials ~~or~~ or blocks of rock up and others down.

Examples of salt-block mountains include: the Sierra Nevada mountains in North America.