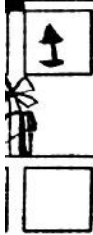




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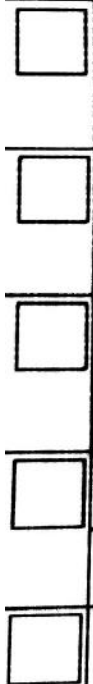
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What ^{are} Plate tectonics? Explain the different types of plate tectonic boundaries? (250 words).



Plate tectonics deals with the movement of the tectonic plates under the Earth's crust. This phenomenon occurs in the interior of the Earth where the tectonic plates move suddenly as they get space. The plates float on the molten lava present inside the Earth. The movement of these tectonic plates lead to the earthquakes, tsunamis, sea and even volcanic eruptions.



Even the creation of the mountains and the valleys are also the result of the plate tectonic movements. For example: the formation of Himalaya, the highest mountain ranges of the world was got created after the collision of the Indian plate with the Tibetan plate and presently the Indian plate is drifting north east.



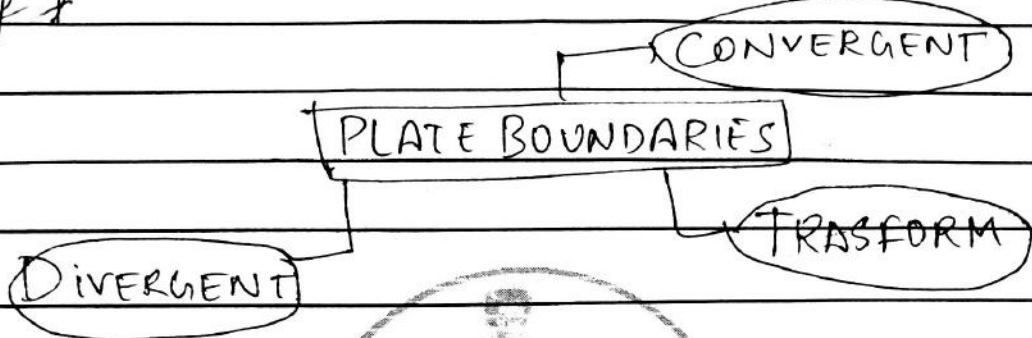
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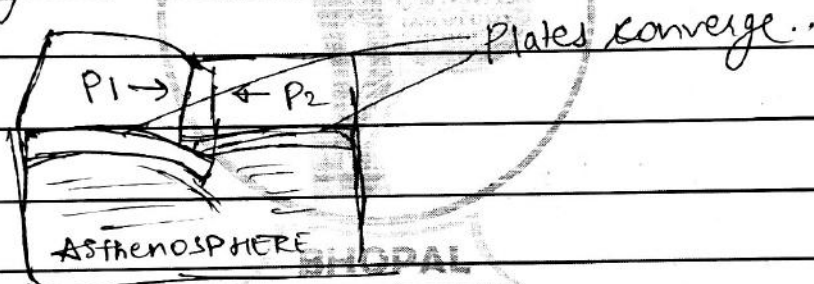
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at a speed of ± 1.5 to 2 inches/year.

We experience different type of plate boundaries across the globe. Some of it



Convergent Boundaries:-



Two plates converge and lead to the creation of subduction zone (i.e one plate over another) or - the continental collision. ~~Heavy~~ ^{Mild} earthquakes can occur here. The Ex- dndes of South America is one such examples.

Divergent Boundaries:- Two plates move away from each other creating valleys

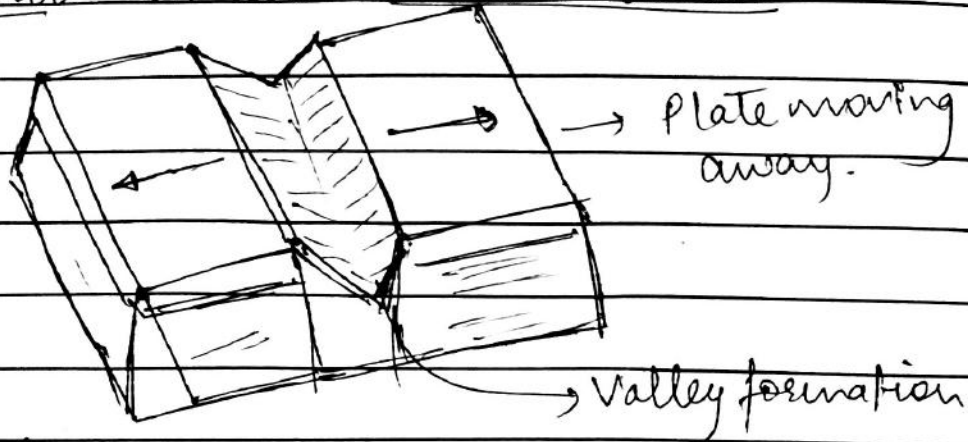


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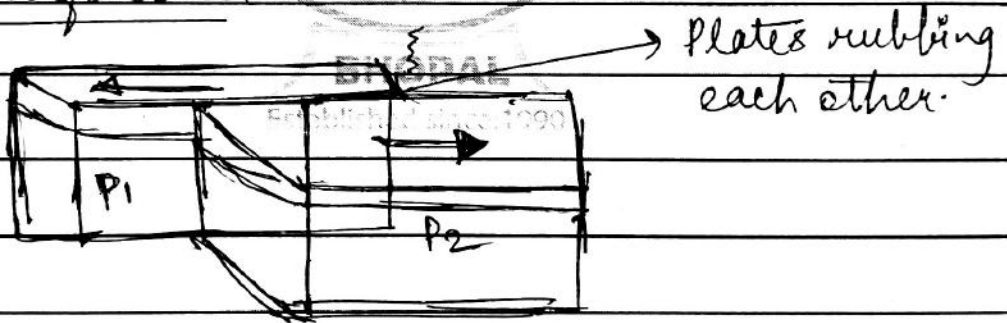
and ridges. It can even lead to the expand in the ocean basin.



Transform Boundaries:-

Two plates rub against each other which leads to the strong earthquake in the particular region.

Exp:- The San Andreas fault in California.



These are the common type of plate boundaries that are observed frequently.

Excellent!

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