

SUBDUCTION

Meaning: Subduction is the geological process in which one tectonic plate is pushed beneath another, often resulting in earthquakes and volcanic activity.

1. Subduction occurs when one tectonic plate is forced under another, leading to significant geological activity.
2. The Pacific Ring of Fire is an area where numerous subduction zones contribute to frequent earthquakes and volcanic eruptions.
3. Scientists study subduction processes to better understand the formation of mountain ranges and oceanic trenches.
4. The collision of the Indian Plate with the Eurasian Plate exemplifies the dramatic effects of subduction on continental geology.
5. Understanding subduction is crucial for predicting potential tsunamis that can result from underwater earthquakes.

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