

Afar Triangle

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Geologists have stated that the **rift in the Afar Triangle**, located in the **Horn of Africa**, could lead to the formation of a **sixth ocean** in **5 to 10 million years** due to a massive mantle plume beneath **East Africa** exerting pressure and contributing to the Earth's crust's stretching and fracturing.



[ref-Mashable India]

About the Afar Triangle:

- The Afar Triangle is a geological depression where the Nubian, Somali, and Arabian tectonic plates converge, forming part of the East African Rift system that extends from the Afar region to eastern Africa, bordering the Red Sea and overlapping with the borders of Eritrea, Djibouti, and Ethiopia.
- This region is undergoing a rifting process as the tectonic plates slowly move apart, with the
 Arabian Plate gradually moving away from Africa, which initiates the creation of new crust as
 magma rises and solidifies, highlighting its significance in human evolution with the discovery of
 fossil specimens of the earliest hominins.