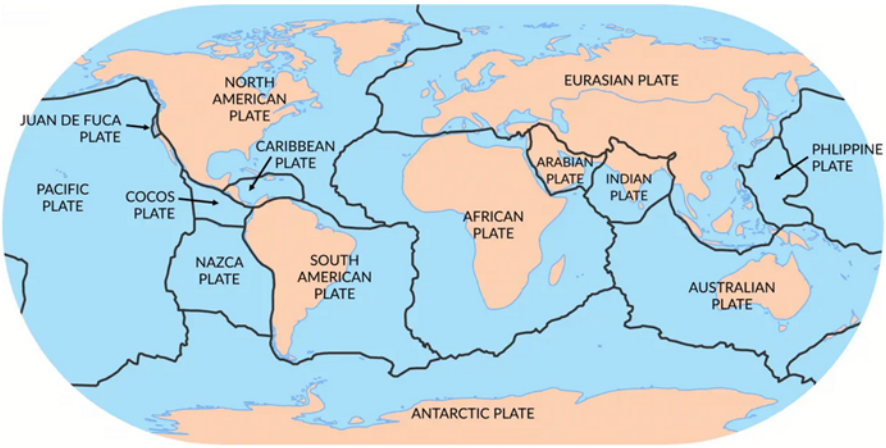
Plate Tectonics



EarthHow, 2022. 7 Major Tectonic Plates: The World's Largest Plate Tectonics, https://earthhow.com/7-major-tectonic-plates/ (Accessed March 5, 2022).

The following theorem from Munkres' "Analysis on Manifolds" is "fair game":

***Theorem 35.2.** *Let M be a compact oriented k-manifold in $\mathbf{R}^n$. Let ω be a k-form defined in an open set of $\mathbf{R}^n$ containing M. Suppose that $\alpha_i : A_i \to M_i$, for $i = 1, \ldots, N$, is a coordinate patch on M belonging to the orientation of M, such that A_i is open in $\mathbf{R}^k$ and M is the disjoint union of the open sets $M_1, \ldots, M_N$ of M and a set K of measure zero in M. Then*

$$\int_M \omega = \sum_{i=1}^{N} [\int_{A_i} \alpha_i^* \omega].$$

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http://drorbn.net/2122-257/ap/PlateTectonics.pdf