

Plate Tectonics as Unnecessary

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Abstract: It is hypothesized that the appearance of tectonic plates can easily be explained by thermodynamic contraction and expansion caused by heating and cooling of the Earth's mantle underneath the crust.

It has been taught for many decades that the Earth is comprised of individual moving plates on top of a liquid mantle. This is unnecessary. The appearance of tectonic plates is simply caused by the mantle cooling and contracting, heating and expanding in various locations underneath the crust. This phenomenon is understood and dealt with in the civil engineering of large concrete structures such as bridges, and even sidewalks. This thermodynamic phenomenon is why concrete and steel bridges are designed with gaps in them to allow for contraction and expansion without cracking. If there were no small gaps designed in bridges then the bridge would become structurally unsound and collapse. Similarly, as the Earth's mantle contracts and cools the top portion (crust) adjusts and splits along fault lines because there are no gaps to allow for structural stress dissipation. The location of the cracks (fault lines) therefore will be a continual source of earthquakes. This explains the incredible power of earthquakes and the appearance of fault lines. Plate tectonics is unnecessary, the continents have not moved any appreciable distance in as much as a concrete sidewalk or giant concrete bridge moves. As well there is not any specific mechanism to move plates in transverse orientations as the only direction that quadrillions of tons of rock would move is in the direction gravity provides, which is down. The Earth is cooling and shrinking, the distances of "plates" being measured to "move" is simply thermodynamic contraction, this rate will obviously be measured to be quite slow.