

Mantle Plumes.pdf

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[Mantle plumes: heat-flow near Iceland](#)

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hundred degrees, depending on distance from the plume, so that lithosphere formed on either plate would have higher heat-flow. The plume should also have direct effects on

[Mantle \(geology\) - Wikipedia](#)

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[South Atlantic - Mantle plume](#)

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Sea-floor spreading and deformation processes in the South Atlantic Ocean:

[Mesosphere \(mantle\) - Wikipedia](#)

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In geology, the mesosphere refers to the part of the Earth's mantle below the lithosphere and the asthenosphere, but above the outer core. The upper boundary is defined by the sharp increase in seismic wave velocities and density at a depth of 660 kilometers (410 mi). At a depth of 660 km, ringwoodite (γ -(Mg,Fe)₂SiO₄) decomposes into Mg-Si perovskite and magnesiowüstite.

[The Earth At Work - cliffshade.com](#)

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A good understanding of Colorado's physical history and rocks requires a feel for large-scale geodynamics. This groundwork article attempts to provide just that context while supporting the photojournals and other groundwork articles that draw on such ideas.. Most importantly, this article seeks to provide a basis for appreciating if not answering the \$64,000 geo-question about Colorado:

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