The Deep Hot Biosphere The Myth Of Fossil Fuels

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The Deep Hot Biosphere The
The "deep hot biosphere" hypothesis would explain the thermophiles, the minerals and the oil Swedish drillers found in 1990 under rock where no one expected them. The hot goo and massed gas far under our feet would also explain some mysterious historical earthquakes (notably the New Madrid, Mo., shocker of 1811), and it would tell puzzled geologists why so many oil reserves just happen to sit underneath coal fields.

The Deep Hot Biosphere: The Myth of Fossil Fuels: Thomas ...
There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been identified in numerous ocean vents. This life is not dependent on solar energy and photosynthesis for its primary energy supply, and it is essentially independent of the surface circumstances. Its energy supply comes from chemical sources, due to fluids that migrate ...

The deep, hot biosphere | PNAS
In the The Deep Hot Biosphere, Thomas Gold sets forth truly controversial and astonishing theories about where oil and gas come from, and how they acquire their organic "signatures." The...

The Deep Hot Biosphere: The Myth of Fossil Fuels by Thomas ...
The conditions of this deep and hot biosphere also exist on most planets in the solar system and probably have evolved similar subsurface life forms. Gold touches briefly on the implications of this theory; that the world will effectively never run out of hydrocarbons because the amounts are so massive and pervasive.

The Deep Hot Biosphere: The Myth of Fossil Fuels by Thomas ...
In the The Deep Hot Biosphere, Thomas Gold sets forth truly controversial and astonishing theories about where oil and gas come from, and how they acquire their organic "signatures." The...

The Deep Hot Biosphere: The Myth of Fossil Fuels - Thomas ...
Work Description. This book sets forth a set of truly controversial and astonishing theories: First, it proposes that below the surface of the earth is a biosphere of greater mass and volume than the biosphere the total sum of living things on our planet's continents and in its oceans. Second, it proposes that the inhabitants of this subterranean biosphere are not plants or animals as we know them, but heat-loving bacteria that survive on a diet consisting solely of hydrocarbons that is ...

The deep hot biosphere (2001 edition) | Open Library
Initially, we learned about the deep, hot biosphere from cultivation of taxa in fluids sampled from oil wells, mines, caves, and geothermal and hydrothermal environments, among others (39 –42). Since Gold ' s call to probe the deep biosphere, increased access and sampling of subsurface environments in terrestrial and marine environments through drilling projects and increased collaboration with industrial partners have resulted in substantial expansion of the known microbial taxa ...

The deep, hot biosphere: Twenty-five years of ...
The Deep Hot Biosphere theory was proposed by the scientist astrophysicist, astronomer and cosmologist Thomas Gold (1920-2004). It concerns of a microbial biosphere that exists at depth, profuse both within the Earth and probably other planets, feed by primordial and abiotic hydrocarbons, mainly methane and

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Unconventional Geology: The Deep Hot Biosphere
The Deep Hot Biosphere. In a 1992 paper "The Deep Hot Biosphere" in the Proceedings of the National Academy of Sciences, Gold first suggested that microbial life is widespread in the porosity of the crust of the Earth, down to depths of several kilometers, where rising temperatures finally set a limit. The subsurface life obtains its energy not from photosynthesis but from chemical sources in fluids migrating upwards through the crust.

Thomas Gold - Wikipedia
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Thomas Gold - Wikipedia
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The Deep Hot Biosphere | SpringerLink
The deep, hot biosphere. Gold T(1). Author information: (1)Cornell University, Ithaca, NY 14853. There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been identified in numerous ocean vents.

The deep, hot biosphere.
The deep biosphere is the part of the biosphere that resides below the first few meters of the surface. It extends down at least 5 kilometers below the continental surface and 10.5 kilometers below the sea surface, at temperatures that may reach beyond 100 ° C.

Deep biosphere - Wikipedia
Thomas Gold presents interesting and controversial theories concerning the origins of petroleum hydrocarbons and the abundance of deep-subsurface microbial life in his book, The deep hot biosphere. Essentially, the book expounds upon ideas that Gold originally presented in a PNAS paper in 1992 (Proceedings of the National Academy of Sciences 89:6045-6049).

The deep hot biosphere. - Free Online Library
The theory proposes answers to often-asked questions: Is the deep hot biosphere where life originated, and do Mars and other seemingly barren planets contain deep biospheres? Even more provocatively, is it possible that there is an enormous store of hydrocarbons upwelling from deep within the earth that can provide us with abundant supplies of gas and petroleum?

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