

The Time Principle of Life Formation

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January 31, 2017
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Abstract: For a star to form life in the general theory of stellar metamorphosis, a star needs to evolve over very long periods of time. If the star evolves too fast, life will not form. Explanation and a few examples are provided to explain this principle.

In order for a star to take the chemicals it contains and mix them just right into the arrangements found in nature as the building blocks of life, a very long period of evolution is required. Basically it amounts to the statistical probability of forming biological processes increasing as the star combines its chemicals. If a brown dwarf is captured by a much hotter star and the former rips it apart before it can begin combining the elements into biological molecules, then it will not have enough time to mix the elements into any meaningful way. The fact that Jupiter, Neptune, Uranus and Saturn orbit much further away from their host star is ideal to form life inside of this theory. If the atmospheres dissipate much slower, then the statistical probability increases and the giant time gap between chemical precursors and biological molecules and beginning processes is bridged effectively. If a Jupiter sized object orbited too close to the Sun, at distances closer than Mercury, then the star would evolve too quickly and it would not have enough time to bridge the gap between non life chemicals and biological molecules. I guess the best way to explain this is to consider that a person could pick a fruit before it is ripe. The star has to have evolved enough before its core begins showing so that the molecules on the surface are no longer mostly chemical in nature, but highly biological. I would give this amount of time about 5 billion years at the very least. If a Jupiter or larger sized brown dwarf takes up orbit around a hotter host and is ripped to shreds much quicker than it would orbiting at a further distance, then the probability of it bridging the gap diminishes considerably. This means there are probably lava worlds out there that cannot host life and never will because they evolved too fast. This is a direct contradiction to the author's previous statement that all stars will host life. Instead, it is posited with the time principle that all stars have the potential for life when they are younger, but not all will host it. As well, some might host life, but not to their full potential as Earth, given thinking organisms such as humans being that example. On the other hand, if a star evolves very slowly, increasing the complexity of the biological molecules to vast amounts, then its overall mass should at least be Earth sized or greater, as the star has had enough time to layer material in its interior to build the core. What this means is that we should expect the old stars which do host life to be at least Earth sized or bigger, as it is the time principle example. What this also means is that if we can radiometrically date objects in the solar system as being quite young, then it is guaranteed that they never formed life. As well, if we find life on an object only 1 million years old, it most definitely came from somewhere else, as its current environment could not have had enough time to form it in-situ. As well, the time principle should also be applied to very old meteorites in outer space. They are old, this is true, but they fail the other principles, the mobility, volume, gravity and container principles found here:

<http://vixra.org/pdf/1608.0115v1.pdf>

and here:

<http://vixra.org/pdf/1610.0243v1.pdf>