

Biological Life is a purely quantum phenomenon.

Abstract. The primary quantum basis of biological life is found. The process of the origin of life is restored.

Alexander I. Dubiniansky and Paved Churlyayev.

Before answering how and when Life arose, whether there is Life on Mars, we must answer thousands of previous questions. On thousands! There are thousands of unresolved issues along the way. We run ahead of the horse. And only after answering these previous questions, the question of Life and whether it is worthwhile to fly for her search for Mars will be solved easily and naturally.

The answers to several previous questions are suggested. And then the formulation of the most primordial, far-out-of-the-cell Essence of Life will be proposed.

- Why does the flag on the roof of the building fluctuate? "Because the wind is blowing." Laws of aerodynamics. In this case, the energy of the air stream is converted into the energy of the flag's vibrations. The flag seems to come to life.

- Why are the algae, branches, leaves, fibers running around the river? - Because they are shaken by moving water. Laws of hydrodynamics. At the same time, the energy of the water flow is transformed into the energy of vibrations of algae, branches, leaves, fibers. All these listed objects begin to stir and seem to come to life.

- Why is the pendulum ticking in hours - hikes? "Because there's a weight hanging downstairs, it pulls down a chain that drives the wheels that swing the pendulum through the balance. The laws of mechanics. In this case, the potential energy of the weight is converted into the energy of the moving wheels, the oscillations of the pendulum and the movement of the arrows. The clock and hands seem to come to life.

- Why does the kitchen tap sometimes crumble? - Because it has a stream of water and loose details. The laws of sanitary engineering. In this case, the energy of the water flow is converted into the vibration energy of the crane parts. All these listed details begin to vibrate, make a roar and, as it were, come to life.

- Why does birch juice reach the very top of the tallest birch? Yes, birch, eucalyptus juice reaches a height of one hundred meters. Where is this pump? In the roots? - No! If you cut the tree bark anywhere (!), The juice will flow in this place, but regardless of this, it will flow to any place above the cut up to the very top of the tree! The poet who, having fallen asleep in a haystack with a songwoman, drank birch sap from the morning dry in a pine forest (or vice versa, once in no time, in a birch forest - a pine tree). And other fools, spoiling birches know this.

Approval number one.

THE PHENOMENON OF LIFE ARISES IN THE ENERGY STREAM. IN PARTICULAR, it IS ENOUGHLY ENOUGH THAT OUR CURRENT EARTH LIFE HAS ARRIVED AND EXISTS IN THE STREAM OF SOLAR PHOTONS = QUANTS OF ENERGY.

Approval number two.

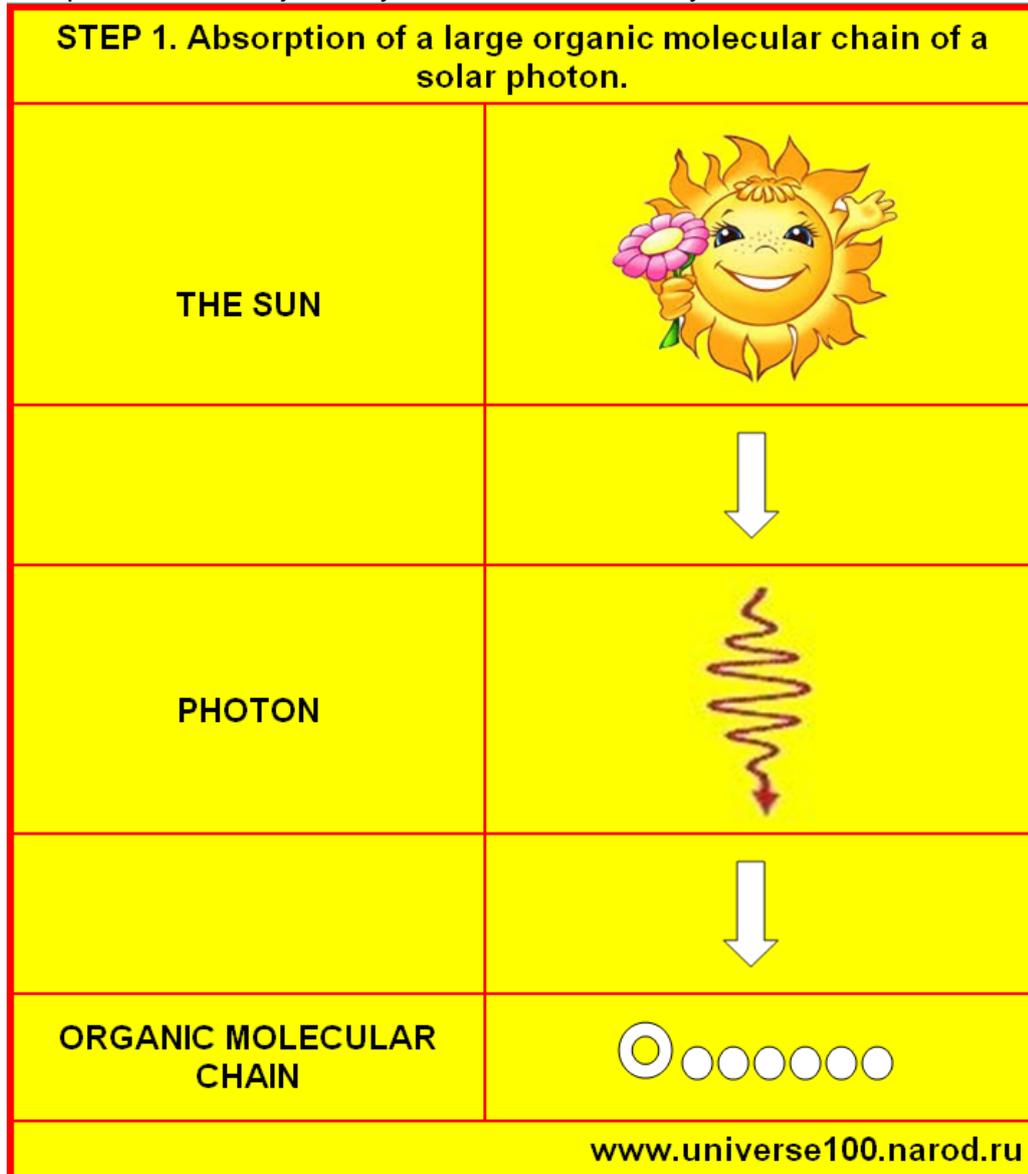
THE PHENOMENON OF LIFE CAN NOT BE OBSERVED IN A MICROSCOPE. HE CAN BE UNDERSTANDLY ONLY THOUGHT, BY A DANGEROUS WAY.

A huge river of solar light (photon, electromagnetic) energy, that does not fly past the Earth and does not immediately reflect it into space, eventually falls into the sea of thermal (kinetic) energy of terrestrial molecules. Earth's molecules are the atmosphere, the land, the seas and rivers, the ocean, dissolved in it large organic molecules.

There must be some processes that transform one energy (photons) into another (thermal) energy. These processes give rise to Life. It is necessary only very subtly and very accurately to imagine all these processes.

Stages of the emergence of Life and the components of the process of Life.

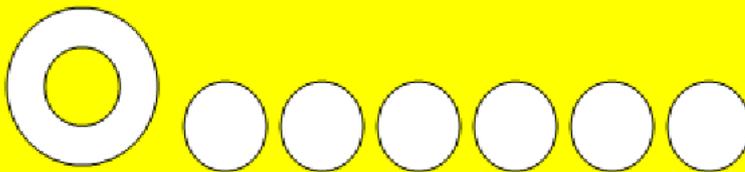
STEP 1. Absorption of a large organic molecular chain (hereinafter simply a molecule) of a solar photon strictly wholly, without scraps. The fragmentation of a photon on a part by no one has ever been fixed and does not make sense! This phenomenon: Absorption by a molecule of a solar quantum of energy, strictly wholly, without scraps - it exists objectively and no one can deny it.



The photon falls on a molecule of a suitable configuration and location in space and is absorbed by it. In terms of the birth of life, the most promising are the molecular configurations in the form of a "head" of several atoms and a "molecular tail" from the chain of laws. Various variants of molecular structure are possible, branchings are possible. In this context it does not matter. The most probable arrangement of a molecule is perpendicular to the motion of a photon, this is the basis of the electromagnetic theory. Just like the antenna when receiving radio waves and both of these processes have an absolutely unified nature. As a result, the electron shell of the molecule takes a photon and swells.

STEP 2. The electronic shell of the molecule takes a photon, and swells. The photon is divided into small quanta and distributed over energy levels.

FROZEN ORGANIC MOLECULES:



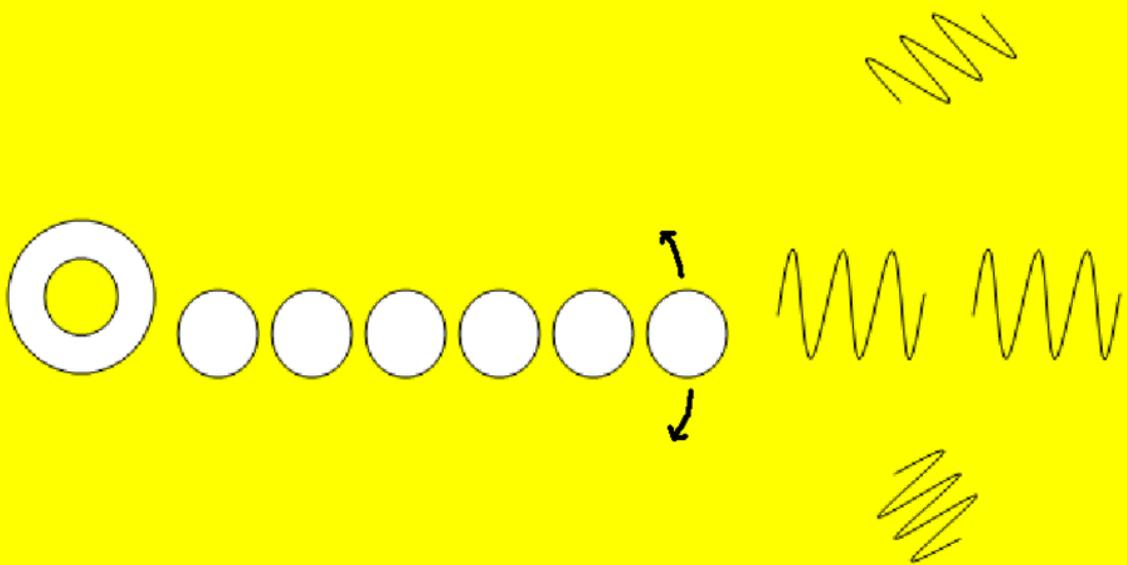
www.universe100.narod.ru

STEP 2. Immediately after the absorption of the photon, it is "digested" by the molecule according to natural laws, is ground into small quanta and distributed over the electron shells and energy levels of small fragments of the molecule. That is, inside the molecule the photon ceases to be a photon, it dies, it becomes just an electromagnetic energy that can be quantized into small pieces in accordance with the spectrum of possible energy levels in the molecule.

STEP 3. Such an "energy-pumped" state of an organic molecule is not in equilibrium with surrounding molecules. The molecule is as if inflated, the internal energy of its atoms exceeds the internal energy of the surrounding atoms, and such a situation is unstable. Each weakest impact of surrounding molecules on it initiates the release of a significant portion of energy from the molecule to the surrounding molecules. This happens in reality, for example, through the vibration processes of various fragments of the inflated molecule. Parallel to this, there is an energy redistribution of internal energy tending towards equilibrium. In other words, the molecule, pumped up by energy, starts to "shoot" a little - energy, "thermal" quanta in the surrounding water molecules. It is no longer a photon, but simply a portion of mechanical energy transmitted through the vibrations of various fragments of the molecule, as its stem part (not to be confused with stem cells!), And molecular branches of the tail type, flagella (not to be confused with flagellar ones! later).

The simple emission of energetically small photons (however very large in size!) Pumped by the molecule into space, if possible, it seems that this process is not the main one in the process of the emergence of Life.

STEP 3. A molecular chain shoots out the tail of vibro-quanta into the environment (water).



STEP 4. The molecular chain acquires translational motion. It becomes "self-propelled". It becomes a "pansperma".

www.universe100.narod.ru

STEP 4. As a result of firing by vibrational quanta, the molecule receives back jerks and acquires translational motion. It is not difficult to establish that the direction of motion of a molecule for any kind of vibration of its fragments is movement toward its head. It becomes "self-propelled".

THIS IS THE MOMENT OF LIFE !!!

The molecule becomes alive. The molecule comes out of the action of the laws of entropy, chemical kinetics and other natural laws.

This is the desired, so mysterious, sought after by all biologists, PANSPERM.

STEP 5. 1) The self-moving molecule comes out of the action of the laws of entropy, chemical kinetics and other natural laws. It from the first movement from the arising vibrations acquires properties:

- It is more active than simple molecules to attach atoms and molecules to themselves. That is, it begins to grow.
- There are processes of growth, decay, recovery, and thus the process of reproduction of these pansperms.
- The filling of the ecological niche for pansperms begins.
- The evolution of "self-moving molecules" or pansperms arises and is proceeding.
- There is an evolution of life.

Apparently, already at the earliest stage of Life there are processes of "absorption of food" (photon), "digestion" (fragmentation of the photon into small energy quanta and their distribution according to the energy levels of the molecular chain) and "isolation" of vibrating edges.

In particular, the only meaning and result of Vegetable Life is the mediating role in the transformation of solar energy into heat. And in animals - twice the mediator role in the transformation of already accumulated solar energy (in the form of food - chemicals) into heat.

It becomes clear that life is not a miracle. Life is born every second in every puddle, in every drop of water under the rays of the Sun. Do not fly for her to Mars and Venus. And sing about this song to the soundtrack.

And then, in just 1.5 billion years of the evolution of Life, a Man emerges, the Man has the Reason and the ability to this World to Know, Model in the Brain and Influence it.

Essence of Mind, Mind - Modeling an object. It occurs through speculative images, written and spoken language, mathematics, physics and other sciences. There is a simulation of even themselves - this is the ability to write literary crap and shoot on it the TV series for fools in the style of "action."

There is an opportunity to influence this world - genetics, nuclear reactors, chemistry, oil, electricity and much more. This man, as it were, rises both above the inanimate and above the living Nature.

This will destroy him if he does not get smarter.

[http://universe100.narod.ru/
dubinyansky@mail.ru](http://universe100.narod.ru/dubinyansky@mail.ru)