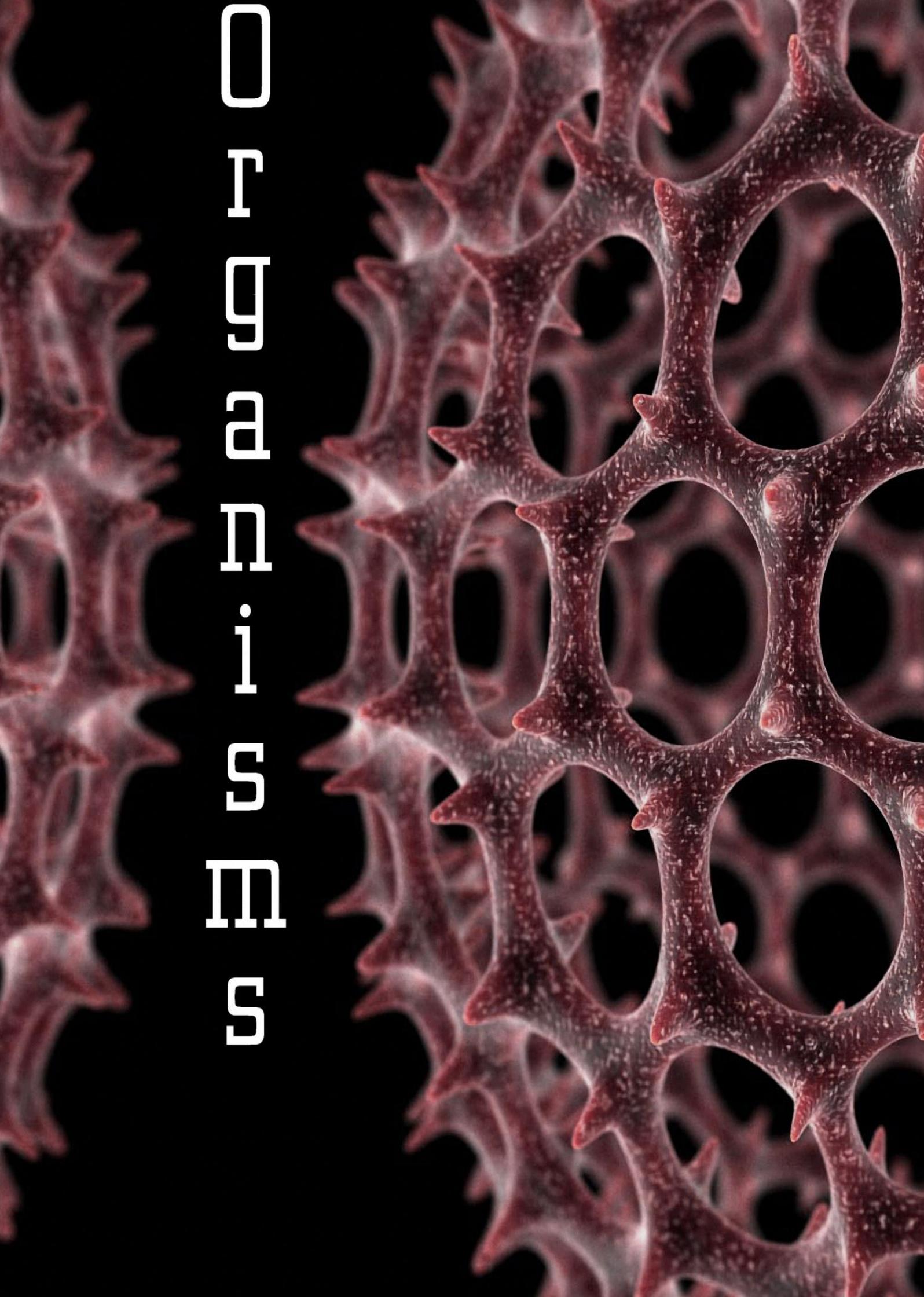
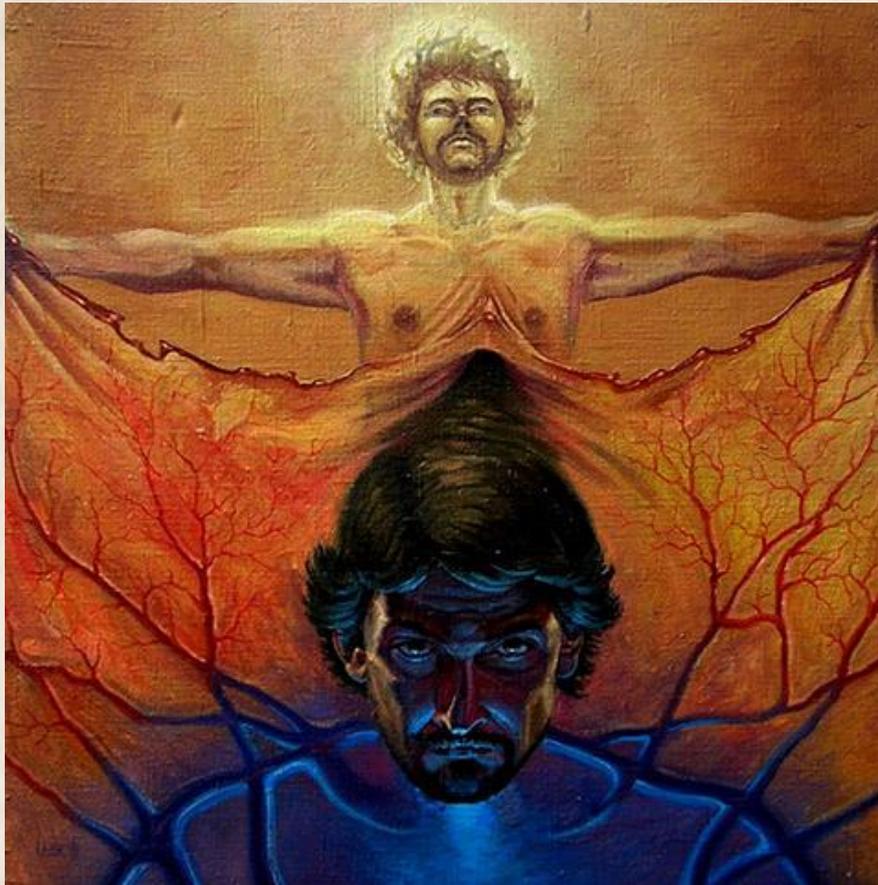


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**The New Cosmic Philosophy**  
**Volume VI**



"[R&R](#)" canvas, oil, 70x70 cm, 1999. Copyright © [Serge Laisk](#)

**An amateur`s essay on the Universe ...**  
**Who are we? Where are we from? Where do we go?**  
**A Human being, his Worlds, his Gods...**

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1. AN ORGANISM

**AN ORGANISM —  
the complex (temporary cooperation) within the  
BODY of an object of lots of visible and invisible  
objects (bodies, organisms and biospheres) that  
united for completing their wishes and targets and  
live inside the object`s body.**

Every organism has certain complex of united objects (bodies, organisms, biospheres ...) inside, it is ever-changing in terms of quantity (depending on conditions) and quality (depending on spiritual growth).

Practically all people know that there are many VISIBLE objects inside their BODIES. Many facts prove that the human body consists of INVISIBLE objects, and individuals cannot see them even if using any special devices:

- Various modern devices allow the human beings to investigate massively smaller and smaller objects (viruses, bacteria, microorganisms ...);
- In the world, there are many exorcists who cast out invisible creatures from the human bodies;

- The documented recollections of thousands of human beings who experienced clinical death;
- The documented recollections of thousands of human beings who described how other beings have kidnapped them;
- Etc.

## 2. THE HIERARCHY of organisms

The hierarchy of both BODIES and ORGANISMS represents HOLARCHY.

**A RANK is  
the level of the hierarchically organized system of  
objects.**

We tried to develop a simplified hierarchical model of all ORGANISMS, depending on sizes of the objects` BODIES, because organisms are physically based on them. This model helps us to achieve the objectives of this research. In this hierarchy, we also rank zero for both the human BODY and his ORGANISM for the sake of convenience.

Any level of this hierarchical model is simultaneously the whole consisting of parts and the part inside the bigger whole:

- The cognizable ORGANISM can be the part of another ORGANISM from a higher rank;
- The cognizable ORGANISM can include other ORGANISMS from lower ranks.

The RANK	The BODIES of objects	The ORGANISMS of objects
+∞		
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Galaxy"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"Galaxy"</p>
↔	↔	↔
	<p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Solar System"</p>	<p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"Solar System"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"The Earth"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"The Earth"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Macroorganism"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"Macroorganism"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A human being"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A human being"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Microorganism"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"Microorganism"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Molecule"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"Molecule"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"Atom"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b> «Атом»</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔
	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Object`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>	<p align="center">⋮</p> <p align="center">↔</p> <p align="center"><b>The Organism`s Body (holon)</b></p> <p align="center">"A fundamental element"</p>
↔	↔	↔

### 3. MICRO- and MACROorganisms

People divide all organisms into macro- and microorganisms, depending on their “visibility” or “invisibility” to the human eye.

**MACROorganisms — a subjective characteristic of organisms. People are able to see them without any devices (technical means).**

**MACROorganisms — a subjective characteristic of organisms. People aren't able to see them without any devices (technical means).**

The RANK	The ORGANISMS of objects	A conventional name
$+\infty$		
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "Galaxy"	The Object`s Organism (holon) "MACROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
	The Object`s Organism (holon) "Solar System"	The Object`s Organism (holon) "MACROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "The Earth"	The Object`s Organism (holon) "MACROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "Macroorganism"	The Object`s Organism (holon) "MACROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "A human being"	The Object`s Organism (holon) "A human being"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "Microorganism"	The Object`s Organism (holon) "MICROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "Molecule"	The Object`s Organism (holon) "MICROorganism"
$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$
$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$	$\dots$ $\leftrightarrow$
	The Object`s Organism (holon) "Atom"	The Object`s Organism (holon) "MICROorganism"
$-\infty$	$\leftrightarrow$	$\leftrightarrow$
	The Object`s Organism (holon) "A fundamental element"	The Object`s Organism (holon) "MICROorganism"

Organisms can be either infinitely small or infinitely big.

It's worth noting that up to this day scientific community of the Earth hasn't found the biggest and the smallest organisms of the Universe.

*“The name itself indicates that small objects were referring to microorganisms because of their small sizes. If we accept the border of visibility equals to 70-80 microns as the criterion, then all objects outside this border can be referred to microorganisms (1 micrometer equals to one thousandth of millimeter).”*

**Wikipedia — free encyclopedia**

#### 4. THE ECOSYSTEM

In view of the fact that all constituent objects of an ORGANISM continuously interact with each other (after all, they chose this organism for realizing their own tasks and wishes), it can already be considered as a certain SYSTEM with lots of constituent objects. The term ECOSYSTEM was created for describing such a type of system.

**THE ECOSYSTEM is  
(from ancient Greek. οἶκος — dwelling, place of  
residence and σύστημα — system)  
the object's ORGANISM, which is considered as living  
place of bodies and organisms of different constituent  
objects in their interconnection.**

As a rule, this term is used when discussing any interconnection of objects that are the constituents of an organism, including:

- substance exchange;
- energy exchange;
- data exchange;
- etc.

## 5. THE BIOSPHERE

Often such terms as BODY, ORGANISM and ECOSYSTEM aren't suitable for someone to describe an object, because some related processes and phenomena could have nothing to do with the mentioned above terms. It is often necessary to take into account and describe the results of activities of cognizable objects, and they can be outside bodies and organisms of various objects. The term BIOSPHERE was created for this purpose.

The word BIOSPHERE (from ancient Greek - βίος — life and σφαῖρα — sphere, globe) defines a virtual three-dimensional sphere of certain radius, which includes not only all constituent BODIES and ORGANISMS of the ORGANISM of cognizable object, but also the results of their activities.

The difference between the object's ORGANISM and its BIOSPHERE consists in one's considering the activity results of the latter.

Volcano is an example. The body of "volcano" has a size of tens or hundreds of meters. And the result of its activity can be comparable with the sizes of the Earth, i.e. even thousands of kilometers.

**THE BIOSPHERE is a virtual geometrical body in the form of the sphere, its center is located inside the object`s BODY. It includes not only BODIES and ORGANISMS of all constituent objects of the ORGANISM of cognizable object, but also the results of their activities.**

The modern scientific community means under the concept BIOSPHERE the following:

*“[The biosphere](#) (from Greek βίος *bíos* ‘life’ and σφαῖρα *sphaira* ‘sphere’) also known as the *ecosphere* (from Greek οἶκος *oἶkos* ‘environment’ and σφαῖρα), is the worldwide sum of all ecosystems.”*

*It can also be termed the zone of life on Earth, a closed system (apart from solar and cosmic radiation and heat from the interior of the Earth), and largely self-regulating. By the most general biophysiological definition, the biosphere is the global ecological system integrating all living beings and their relationships, including their interaction with the elements of the lithosphere, geosphere, hydrosphere, and atmosphere. The biosphere is postulated to have evolved, beginning with a process of biopoiesis (life created naturally from non-living matter, such as simple organic compounds) or biogenesis (life created from living matter), at least some 3.5 billion years ago.”*

*The term “biosphere” was coined by geologist Eduard Suess in 1875, which he defined as the place on Earth`s surface where life dwells.*

*While the concept has a geological origin, it is an indication of the effect of both Charles Darwin and Matthew F. Maury on the Earth sciences. The biosphere`s ecological context comes from the 1920s (see Vladimir I. Vernadsky), preceding the 1935 introduction of the term “ecosystem” by Sir Arthur Tansley. Vernadsky*

*defined ecology as the science of the biosphere. It is an interdisciplinary concept for integrating astronomy, geophysics, meteorology, biogeography, evolution, geology, geochemistry, hydrology and, generally speaking, all life and Earth sciences.”*

**Wikipedia — free encyclopedia**

If we take into account that such concepts as LIVING and NON-LIVING are subjective ones, then such concepts as OBJECT and BODY will be more appropriate to use for the purposes of this research.

**THE BIOSPHERE of the Earth is a virtual geometrical body in the form of the sphere, its center coincides with the Earth`s center. It includes all constituent BODIES of the Earth`s ORGANISM and also the results of their activities.**

where

**THE SPHERE represents a geometrical body with complex of all space points located from the center at a distance no more than the prescribed one (radius of the globe).**

The biosphere of the Earth is located at the intersection of the upper part of the lithosphere, the lower part of the atmosphere and occupies almost all hydrosphere.

- **The upper limit of the atmosphere is 15-20 km.** It is defined by ozone layer, which blocks a short-wave ultraviolet radiation that is harmful to the living organisms.
- **The lower limit of the lithosphere is 3.5-7.5 km.** It is defined by the temperature of transition of water from the liquid to the vapour state and the temperature of proteins` denaturation, but mainly expansion of the living organisms is limited to several meters in depth.
- **The limit between the atmosphere and the lithosphere in the hydrosphere is 10-11 km.** It is defined by the bottom of the World Ocean, including bottom sediments.

The modern investigations show that more than 3,000,000 species of plants, animals, mushrooms and bacteria live in the BIOSPHERE of the Earth ...

The mass of all organisms of the Earth is relatively small and equals to 2.4 ... 3.6  $\times 10^{12}$  tons (dry weight) and is less than one millionth of the entire biosphere (about  $3 \times 10^{18}$  tons), which, in its turn, is less than one thousandth of the

Earth`s mass. But this is one of “the most powerful geochemical forces of our planet”, because organisms don`t just inhabit the biosphere, but also modify the image of the Earth ...

**THE ORGANISM of a human being is the part of the Earth`s biosphere.**

The activity of a human being surpasses many natural processes in its intensity.

For gaining the purposes of this research, we tried to create a simplified hierarchical model of all BIOSPHERES of the Universe, depending on their physical sizes.

The organisms of the Earth represent the BIOSPHERE of our planet. Their bodies are visible for some human beings, while for others – invisible ones.

One variant of the hierarchical model of the Universe Biosphere may look like this:

THE RANK	THE ORGANISMS of objects	THE BIOSPHERES of objects
$+\infty$		
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "Galaxy"	⋮ ↔ The Object`s Biosphere (holon) "Galaxy"
↔	↔ The Object`s Organism (holon) "Solar system"	↔ The Object`s Biosphere (holon) "Solar system"
↔	↔	↔
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "The Earth"	⋮ ↔ The Object`s Biosphere (holon) "The Earth"
↔	↔	↔
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "Macroorganism"	⋮ ↔ The Object`s Biosphere (holon) "Macroorganism"
$0+n$		
↔	↔	↔
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "A human being"	⋮ ↔ The Object`s Biosphere (holon) "A human being"
$0$		
↔	↔	↔
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "Microorganism"	⋮ ↔ The Object`s Biosphere (holon) "Microorganism"
$0-n$		
↔	↔	↔
⋮ ↔	⋮ ↔ The Object`s Organism (holon) "Molecule"	⋮ ↔ The Object`s Biosphere (holon) "Molecule"
↔	↔ The Object`s Organism (holon) "Atom"	↔ The Object`s Biosphere (holon) "Atom"
↔	↔ The Object`s Organism (holon) "A fundamental element"	↔ The Object`s Biosphere (holon) "A fundamental element"
$-\infty$	⋮	⋮

BIOSPHERES can be either infinitely small or infinitely big.

It should be noted that up to this day scientific community of the Earth hasn't found BIOSPHERES that can be considered as the biggest and the smallest BIOSPHERES of the Universe.

Any level of this hierarchical model is simultaneously the whole consisting of parts, and a part inside the whole.

Cognizable BIOSPHERES can be the parts of BIOSPHERES of the higher ranks.

Cognizable BIOSPHERES can include BIOSPHERES of the lower ranks.

## 6. The hierarchical model of the Universe

During cognition individual reflects an object as its BODIES. And BODIES (the object can have lots of them) are the parts of this object with different “boundaries” that separate this object from the World (in the broadest sense of this word). An individual has manifested these boundaries, using different ranges of values of different physical quantities.



The terms the author connected with the BODY concept, he described in more detail in the IV “BODIES” Volume of “The New Cosmic Philosophy” book series (author`s note).

On that basis, we can consider both ORGANISM and BIOSPHERE to be the unique BODIES of object an individual has manifested.

Therefore, one of the possible definitions of the concept THE WORLD OF INDIVIDUAL could be the following:

**The WORLD of individual represents lots of bodies, organisms and biospheres of various objects one has manifested as sensations.**

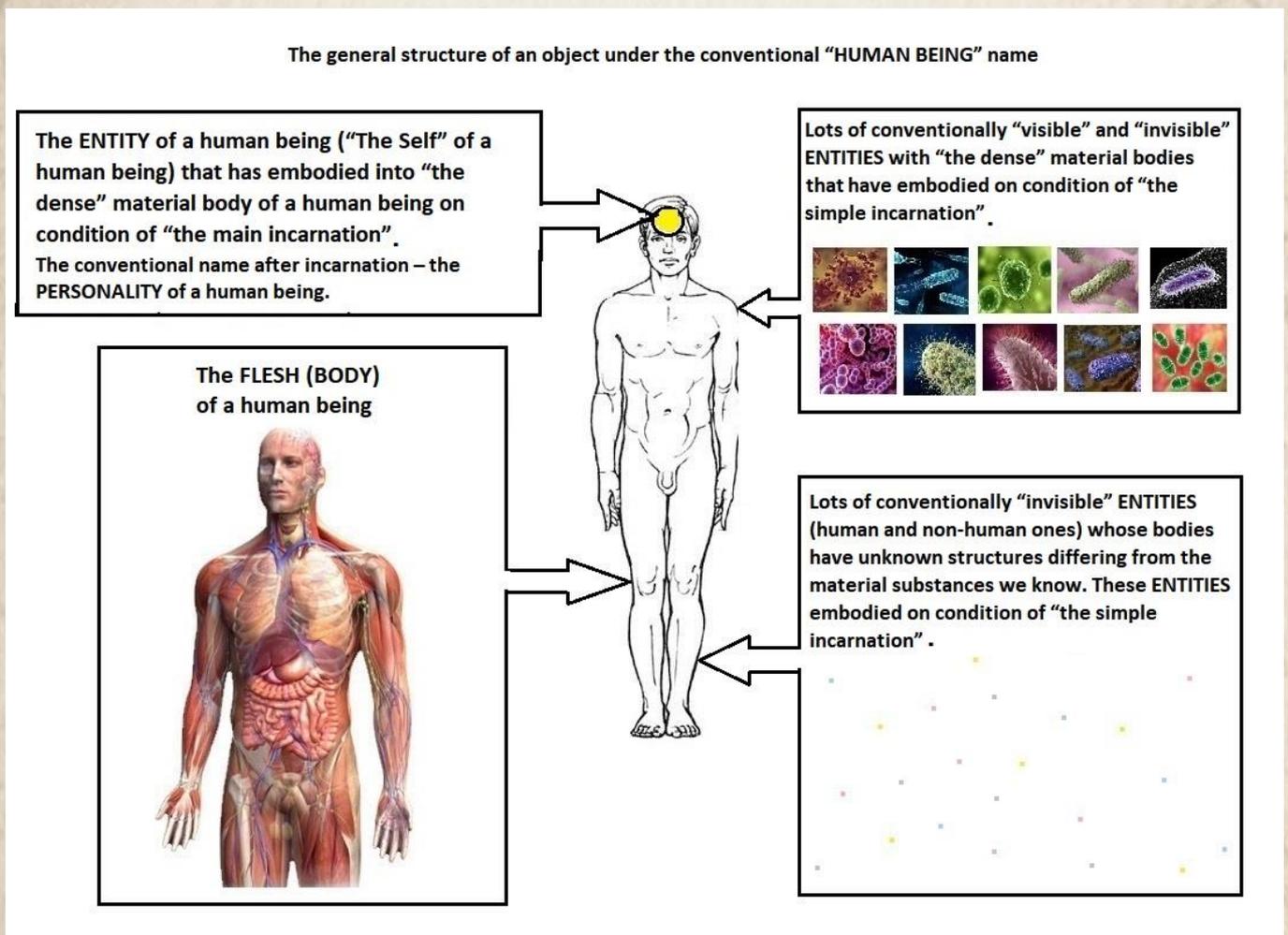
THE RANK	The object`s BODIES
$\infty$	...
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
$(0+n)+k$	<b>BIOSPHERE</b>
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
$0+n$	<b>ORGANISM</b>
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
$0$	<b>BODY</b>
$\leftrightarrow$	$\leftrightarrow$
...	...
$\leftrightarrow$	$\leftrightarrow$
...	...

We can create hierarchical models of the Universe on the basis on their “visible” sizes:

- The bodies of certain objects;
- The organisms, the basis of which are certain bodies;
- The biospheres, the basis of which are certain organisms.

## 7. THE ORGANISM of a human being

The objects inhabiting the human BODY can be both “visible” and “invisible” ones. The picture below shows only some of “visible” creatures we know. The total weight of “visible” creatures inside the human body is measured in kilograms and their number is expressed by millions of bodies.



The modern health professionals conceive that only PARASITES inhabit the human body. It is considered that all these organisms compete with the human

body for nutritional substances and have mechanical and toxic effects on its organs. They are the infestants of various body diseases and undermine its immunity. There are more than 3,000 of their types and the existing classification includes: viruses, bacteria, protozoa, fungi and helminths (parasitic worms) ...

Although there is one more opinion: “The human organism is a harmonious symbiosis of thousands of interactive objects, on this basis it maintains the proper functioning of the human BODY. Many diseases of the human body are connected with disturbance of the stabilized symbiosis (as an example: when irradiating the human body, some microorganisms die, which leads to excessive reproduction of other microorganisms and, consequently, to the appearance of certain disease of the human body).” So, the treatment of similar diseases of the human body must begin with the recovery of symbiosis of incarnated objects and microflora of the organism.

The incarnated objects can be both material and immaterial, visible and invisible for the human being.



The terms the author connected with the HUMAN BEING concept, he described in more detail in the XII “HUMAN BEINGS” Volume of “The New Cosmic Philosophy” book series (author`s note).



The terms the author connected with the INCARNATION concept, he described in more detail in the XXI “INCARNATION” Volume of “The New Cosmic Philosophy” book series (author`s note).

The connection between microorganisms and the human body is much stronger than many people could even suggest.

*“It turns out that the human body is practically full of microorganisms. However, there is no need to worry ahead of time. Daily Mail informs: these creatures aren`t extraneous forms of life. The human organism is a place of living for trillions of microscopic forms of life.*

*“In fact, we are people just by 10%, the rest are microbes,” – assures Dr. Roy Sleator from the Cork Institute in Ireland. He has thoroughly studied this topic during four years and came to the conclusion that the true role of bacterial populations of the human body is undeservedly becoming less significant.*

*Our interrelations with unicellular creatures were so strong that progressive scientists now consider a human being and bacteria inhabiting his body as a single superorganism. “Nowadays bacteria are considered as virtual organs, the vital activity of which is significantly higher than activity of the liver,” – explains Dr. Sleator.*

*According to his investigations, the human body contains about 500 different types of bacteria. They continuously reproduce in the adult human body, so, there are about 100 trillion unicellular creatures – almost tenfold that is more than several trillion cells the human body consists of. For example, the intestine itself contains almost 2 kg of bacteria.*

*As Dr. Sleator informs, bacteria aren`t only our companions, but also are indispensable helpers. “This interaction between bacteria and human beings is mostly of symbiotic nature,” – the scientist says. Bacteria participate in*

*digestion, generation of vitamins and fortifying our immune system in exchange for the food." Moreover, amicable microorganisms protect the owner organism from the agents of different infections, dealing with 'hazardous' bacteria."*

**8. “BRAIN exercise”. The questions for my readers**

- If we take into account that the human ORGANISM consists of XX% of different unicellular creatures and only of YY% of the BODY cells, then how to rightly understand the following expressions:
  - “my ORGANISM is too infirm”;
  - “there is a need to boost immune system of the ORGANISM”.
- Can one use the same methods of treatment (medicines) in relation to organisms of different individuals?
- Can medicament have AFTER-EFFECTS or ALL its effects are IMMEDIATE?
- Why do medical professionals use the word “after-effect”?
- What is meant by the word combination ‘to cure an organism’?
- What is “a sound” organism?
- Please describe the biosphere of a human being.

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