

Research Article

# How Time Develops

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## Abstract

The most wrong thing in our traditions is that they misunderstand time. Time is considered to be a process that operates according to the ticks given by an eternal being, and natural phenomena are considered to be the results that take place according to these ticks. All physicists, including Einstein, accepted time as an eternity indexed to the life of a divine power that created the world. If beings remained as they were when they were first formed without undergoing change and transformation over time, everything would have been created at once and would not have changed and transformed after that. In other words, the image of change-transformation called TIME would not have occurred. TIME is one of the concepts that people cannot understand. Because the concept of TIME has always been misinterpreted by physicists. The reason why physicists misinterpret the concept of TIME is that the constitutive force in nature has been misinterpreted. However, the development of forces that affect and direct substances is caused by chemical changes in the composition of substances and the energy transferred by these changes. In nature, every being perceives what to do and when and behaves accordingly. A sheep arranges when to mate and when to give birth by perceiving environmental conditions (to breed when grass is most abundant). When a plant blooms and spreads its seeds, it takes into account the climatic conditions. In the structure of each being, information about how it will behave, what and when it should be done, etc. are recorded.

## Keywords

Chemical-compositions, Geological-layers, Life, Information, Energy

## 1. What Is TIME

The belief that time began at the moment when nature-world and all beings were created has prevailed until now. The reason why people think this way is that the creator was conceived as an eternal being (a supernatural human-like creator). It was assumed that if the Creator became mortal, nature and the world would also perish. This view was also reflected in the holy books [1]. Based on the data of the holy books, the age of our world was accepted as between 4 thousand and 6 thousand years (4004 years based on the Bible by the clergyman J. Usher in 1650).

The branch of science called geology developed after

the 1800s and revealed that the age of our world was first millions and then billions of years [10, 14]. And since then, biblical apologists have continued to defend the scriptures, trying to interpret the day and year values in the scriptures very differently.

Geological and astrophysical data give very precise data about time. Now let see how time is developed at our world.

*Humanity Wants to Know How it and the Natural System were Formed, Where it Came from and Where it will Go*

How can this information be obtained?

The data of geological records provides us with precise data

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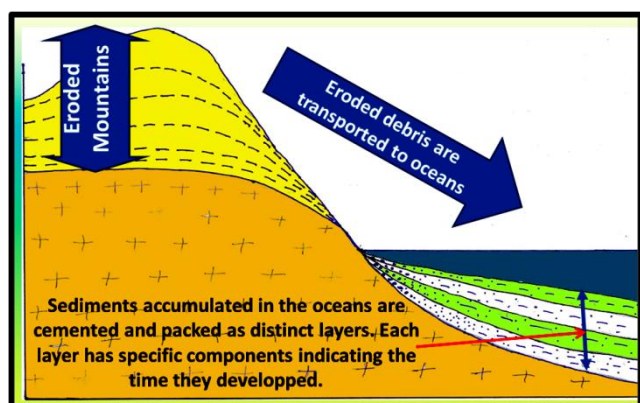
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about both how our world was formed and when and where humanity was developed.

Now, in order to understand life and how the natural system formed and developed, we must learn what our world's past was like. The way to find out is to make use of the science of geology. Namely: Nature and the world are constantly changing and transforming. The land is constantly eroded and the eroded materials are transported and stored in the seas. For example, today's plastics, objects such as spoons and knives mix with the mud carried to the sea. In the layers formed a few thousand years ago, these substances are absent, because at that time the production of these substances was unknown.



**Figure 1.** Mountainous areas are constantly eroded, and the eroded ones are transported to the seas by rain and winds and stored.

In about 15-20 thousand years, layers with a thickness of several centimeters are formed. The upper layer is younger, the lower layer is older.

In the layers, every event in the world is recorded.

Where and when an earthquake occurred,

Where and when a volcano erupts,

Where and when what kind of creature lives in the world, when this creature appeared and when it disappeared; Vs.

Events and developments that take place in nature are constantly recorded in layers in the seas. In this way, the history of our world is written in geological layers. By sequencing and examining these natural records of the past, the formation and development of nature and our world (and humanity) can be revealed in a way that is in accordance with the facts!

What is told about our past in the ARCHIVE PAGES of our world?

Let's look at the archival pages of our world and see what has changed as we go back to the past, that is, what has not been seen. If something does not exist, it means that the knowledge to do that thing has not yet been formed.



**Figure 2.** With this method, the history of our world is written in geological layers, these are ARCHIVE-PAGES.

When you go back 20,000 years, things that people used to do, such as cutlery, radio-TV, cars, planes, disappear. Because the people of that time lacked the knowledge to do these things.

When we go back 5 million years, there is no living thing called human. To disappear means to decompose into its atoms and molecules. Let's call it decomposition into its components. In this way, the elements that come together with KNOWLEDGE in an orderly structure disperse, an orderly super-system disappears and disorder increases.

Going back 100 million years, horses, cows, and fruit trees disappear and decompose into their constituents. In this way, the elements that come together with KNOWLEDGE in an orderly structure disperse, an orderly super-system disappears and disorder increases.

Going back 300 million years, creatures like dinosaurs disappear and decompose into their constituents. In this way, the elements that come together with KNOWLEDGE in an orderly structure disperse, an orderly super-system disappears and disorder increases.

Going back 700 million years, all vertebrates and invertebrates disappear and decompose into their components. In this way, the elements that come together in an orderly structure with KNOWLEDGE are dispersed, an orderly super-system disappears, and the disorder increases even more.

Go back 4 billion years, and the entire living world disappears. They are decomposed into their components. In this way, the orderly structures of the living world are completely destroyed and everything is transformed into its components.

Archive pages show that our world is about 4.6 billion years old, that life began to form 3.5 billion years ago and entered the phase of explosive development 550 million years ago, and that humanity has existed only for the last 2.5 million years.

As can be seen, as we go back in time, the knowledge of entity creation is completely lost. So as we go back in time, the knowledge of doing something called KNOWLEDGE disappears.

If you go back 5 billion years, our world and our solar system are also destroyed. When the world disappears, molecules such as  $H_2O$ ,  $CO_2$  and quartz in the world decompose into their components and return to the star-galaxy phase. Galaxies and stars are composed of 75% hydrogen and 23% helium and 2% other elements. In other words, galaxies and stars are made up of simple chemical elements with one or two protons.

Back 13 billion years, all stars and galaxies were disappearing, disintegrating into their constituent parts. When it comes to components, an explanation should be made. Hydrogen consists of a proton and an electron. Helium consists of 2 protons, 2 neutrons and 2 electrons; Carbon consists of 6 protons, 6 neutrons and 6 electrons. In other words, nature and our world consist of subatomic elements called protons-neutrons-electrons.

When we go back to the beginning of the universal system, everything is broken down into its smaller, most basic components. In 1900, a German physicist named Max Planck [6] showed that this most fundamental element in nature is called quantum, which is denoted by the symbol ( $h$ ) "Elementares Wirkungsquantum = the least amount of action". Planck stated that these most fundamental action makers can never be divided and will be added together in the form of quantization = quantization to form larger higher-level systems [1].

By the way, it is necessary to give the following information to explain why the concept of quantum and quantum physics are very important. Until the 1900s, it was thought that the factor called energy was something that could be increased as much as desired and decreased as desired. The concept of quantum and quantization, on the other hand, created the opposite situation: everything in nature revealed that this most basic element called quanta could never be broken down and should always be used as a whole [6].

Quantum physics is incompatible with traditional views, as the traditional views are dominated by the view that the creator of nature and the world can use everything as he wishes, and therefore can regulate the distribution of energy as he wishes.

These most basic components, which emerged as a result of the separation of entities at the beginning of the universal

system, reach a huge number. In other words, it is understood that the universe has begun to consist of a huge number of basic elements, such as 10 over one hundred and more people.

As we go back to the past, the so-called information signals disappear more and more, neither radio waves, nor a birdsong, nor a rustling of leaves, nothing remains [15]. There is neither the earth, nor the other planets, nor a star, they have all disappeared, and everything we call matter, such as minerals, water, stones, and soil, has decomposed into its components. In other words, when you go to the beginning of the universe, you are faced with a chaotic energy aggregation consisting of a huge number of basic elements, such as 10 over a hundred-odd.

Was this chaotic conglomeration of energy scattered throughout the universe, or were they all together? Astrophysicists believe that this energy clump is collectively cohesive because there is evidence that there was a large expansion at the beginning of the universe.

Archive pages and astrophysical data show with certainty that nature and the world, as well as all living things on it, were not created by a creator called god who knew everything in advance, but by the basic elements of life called quanta, which are calculated to be over 10 hundred-odd in number. In other words, the universe is in constant development, and these developments are developing depending on the potential to create KNOWLEDGE.

As we go back to the past, regular assets are decreasing, irregular assets are increasing. In other words, nature and the world are not heading towards disorder, as physicists say. On the contrary, nature is moving more and more in the direction of regularity.

Developments in nature are carried out by creating INFORMATION, that is, beings are not robots, but elements that act consciously. They are not formed by the accidental coming together of unconscious beings.

Nature and the world were not created out of thin air and suddenly by a being who knew everything in advance, but on the contrary, they were created and developed over a period of billions of years. First, the most basic elements such as atoms were formed, then molecules were formed by the combination of atoms, cells were formed by the combination of molecules, and other living things such as plants and animals were formed by the combination of cells. Thus, an integrated system has emerged that must evolve and develop in a lower-level, high-level manner, and is dependent on each other.

Thus, the question "Has nature been created or is it coming into being?" is answered: Nature is formed! *And since developments are in the form of chemical compositions, time appears as changes in chemical compositions* [15].

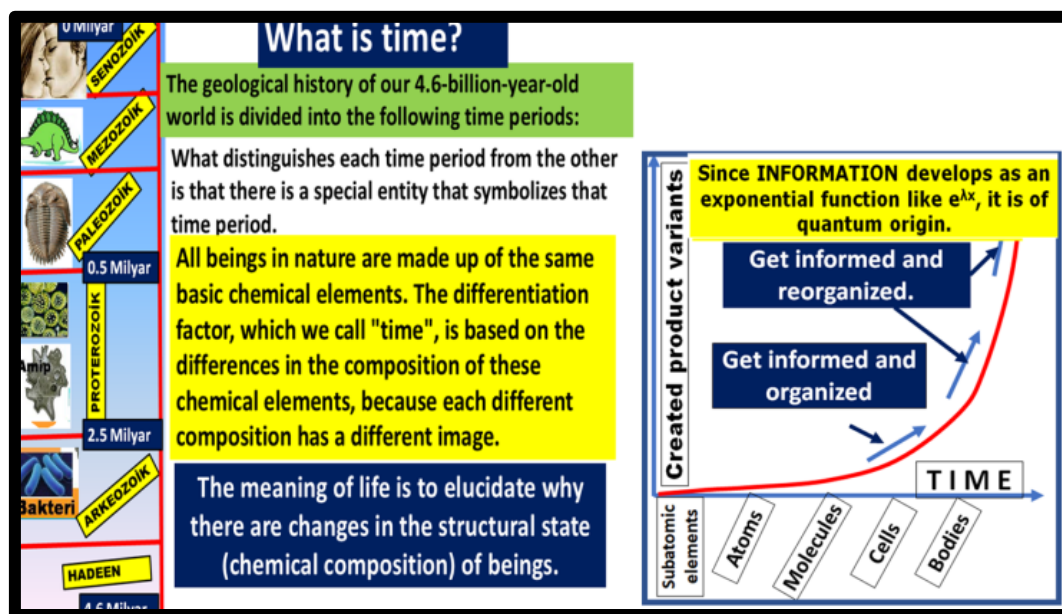


Figure 3. The geological times, and how they developed.

## 2. Time and Life Are Strongly Intermingled

Life = living period and lifespan is the period between birth and death. He who solves the secret of the concept of time also solves the secret of life. Since the process from the beginning of the development of all beings in nature to the present day is called time, lifetimes are slices of time.

The pages presented above show clearly that TIME is an indicator of CHANGE-overs of chemical compositions of matters based on INFORMATION developments [5]. But all of humanity, including physicists, have accepted time as an eternal process without a begin or end, operating according to the ticks given by a supernatural power system. The reason for such an acceptance is that nature and the world are created and directed by an eternal supernatural power system. If this force dies, nature and the world cannot continue to exist.

What we call time arises from the fact that everything in nature is in a continuous cycle of change and transformation. Imagine a game where everyone must stay silent as if they are completely dead when you say "click". Now imagine that this game is played on a universal scale. Humans are frozen, all the cells and molecules in the human body are frozen, so bodily events such as the feeling of hunger do not occur. The Earth does not rotate, it always stays in the same position, so there is no such thing as day and night. The Earth does not revolve around the sun either, so the concept we call a year does not occur. The Moon does not revolve around the Earth, the Sun is stationary in the Milky Way galaxy, etc. In such a case, is there a concept called time? Time does not occur.

After quantum physics verified that atoms consist of smaller elements called subatomic elements, and it was re-

vealed that these quanta operate with information and probability calculations, the term Shannon-entropy was coined and entropy began to be used in the sense of "information = knowledge". As a result, the physics of dynamical systems, which is summarized as "information & self-organization" with Haken [7], develops. Dynamical systems physics, on the other hand, predicts a "maximum information principle", that is, the ability to create information will develop progressively in nature. In other words, the 2nd law of thermodynamics is not valid in nature. In a nature the opposite of this law is valid. Nature is not heading towards disorder, but towards regularity.

However, since people were conditioned by dogmatic thought systems, they were very opposed to this new view of Boltzmann. He could not stand such intense opposing views and becomes depressed and commit suicide.

In the past, physicists accepted nature and the world as a closed system, and in this case, they judged that everything would fall apart over time and end up in a disordered state. However, there is no completely closed system in nature. For example, subatomic particles called neutrinos, which form in any star in the galaxy, pierce our solar system, pierce our world, enter Australia, cross all layers of the Earth, and leave a country in Europe and continue their journey through space. These particles are so dense that millions of neutrinos pass through the 1 cm<sup>2</sup> surface of a human body every second. As neutrinos pass through matter, they do not pass in transit but change their energy levels according to the characteristics of the medium through which they pass. Moreover, neutrinos can change the proton-neutron ratios in nature. This means that the basic building blocks that we call chemical basic elements are changed by neutrinos, that is, atoms are not fixed-invariant elements. As a result, an element in nature can turn into another element or another isotope. This affects the systems of energy distribution and force fields in nature. In this way, a

particle from a being in space affects a chemical element in the earth (or in our body).

It was shown in the main part of the article that everything in nature and the world is formed and developed according to probability calculations. Physicists' understanding of entropy is defined by the formula  $dS = dQ/T$ , which relates only to temperature changes that are valid in the molecular kingdom. In the realm of atoms and subatomic elements, this formula has no place. Boltzmann's formula  $S = k \cdot \log W$  is valid in the entire natural system. In this formula, ( $W$ ) denotes the number of probabilities within a system, ( $k$ ) denotes a coefficient called the Boltzmann constant.  $S$  is the result defined as entropy.

Until a quarter of a century ago, there was no such factor as "information" in the world of physics, entities were seen as robot-automatons, and the directing factor affecting these automatons was always thought of as a force field created by outside things. The result of such a way of thinking, by virtue

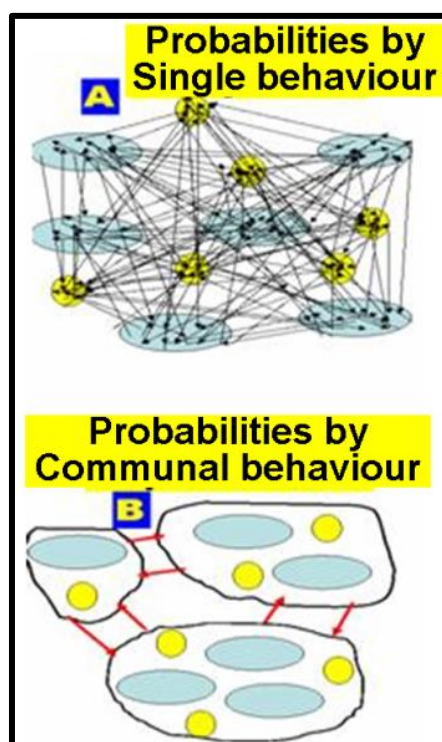
of the formula  $S = k \cdot \log W$ , must be regarded as true to disorder, since none of the entities considered automata had the knowledge (at that time) had the ability to create and store information. The future of the world of stupid-ignorant elements in time must be a messy-disorderly future.

Geological information, on the other hand, shows that everything in nature and our world is moving towards an increase in order in a very significant way. Now let's make the formula ( $S = k \cdot \log W$ ) easier to understand by giving examples from the geological past of our world and show the real situation in nature.

Geologic-palaeontologic as well astrophysical data indicate that there exist a distinctive order and organisation in nature and this order and organisation developed with time [12].

Entropy is a term defined by the formula:  $S = k \cdot \log W$ , where  $W$ =Wahrscheinlichkeit = probability; ( $k$ ) is Boltzmann constant; and ( $S$ ) is entropy.

Now let look at the probabilities of systems.



**Figure 4.** Entropy decrease by communal behaviour.

There are shown 6 blue and 6 yellow element in figure. If those 12 distinct items behave as single units (A), mutual interaction probabilities between those 12 units are as shown in (A). If those 12 units are united to bigger systems (3 units), the mutual interaction probabilities between those 3 units are 6 as shown in (B). Consequently, we can say that entropy decrease when the items are combined into bigger structures.

Our cosmos is ca. 13 billions year old according to astrophysical researches. At the begin all matters are thought to be in forms of subatomic units like proton, neutron, electron. Let

say there was  $10^{81}$  particles. When those  $10^{81}$  particles were combined in 92 chemical elements, the amount of items reduced drastically, hence entropy must have been reduced too.

Our world is ca. 4.6 billions year old according to geological researches. The chemical elements in our world are combined in mineral structures with distinct borders, letting them behave as single units and leading to further entropy-decrease.

Life has started ca. 3.5 billions year ago. Photosynthetic

bacteria and algae combined  $6\text{CO}_2 + 6\text{H}_2\text{O}$  to a bigger molecule ( $\text{C}_6\text{H}_{12}\text{O}_6$ ) and reduced the amounts of molecules, leading to further entropy-decrease.

The cells were combined to build bigger animals or plants during the earth history, so that mutual interaction probabilities (hence entropy) decreased continuously.

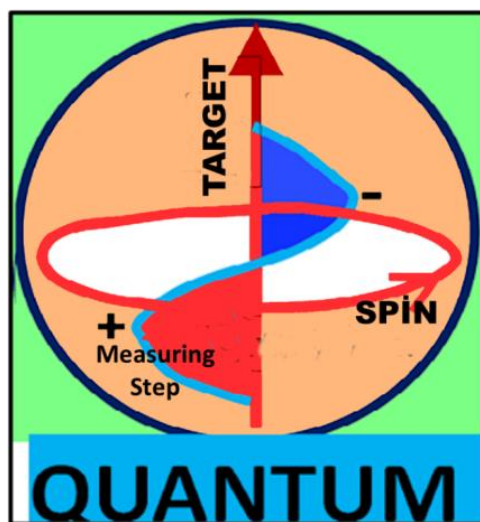
All those observations show very clearly that in nature the entropy is not increasing but decreasing. Our world is heading towards an orderly state. But physicists assumed a trend towards a disorderly state. Why? The reason behind such a miscalculation could be the following traditional assumption: The driving force in nature, hence the dependency, was assumed to be of an external origin. However, energy has its origin at sub-atomic realm and as shown in this work, all systems are dependent on their components, being the ultimate information storage units in nature.

In order to understand the concept of "quantum" discovered by Planck [6], it is necessary to know the basis of the developmental system in nature. As shown in the Archive-Pages section, there is a system of development in nature based on the creation of knowledge, from small to large, in the lower-level – higher-level style [8]. However, traditional views are that developments in nature are made and directed by an

external power system. If it is under the control of a super-natural being, that being can use energy as it wishes, increasing or decreasing it as much as it wants. But quantum system is opposite to a such use of energy. The concept of QUANTUM, which Planck discovered, revealed that energy transfers in nature could not be random. In other words, the processes in nature depended on an element of life called QUANTUM at the very base, and everything had to be formed in the form of QUANTIZATION of this element, that is, its multiplication by merging. In a nutshell: this element was alive and nature was made up of the combinations of that living element.

### 3. How Is Time Developed

As can be seen in the figure, the phenomenon called time is based on the differences in appearance that arise due to the change in the composition of entities [11]. If the compositions of the entities never change, if all the entities continue with the same composition, time does not occur. This fact has never been noticed by humans, including scientists.



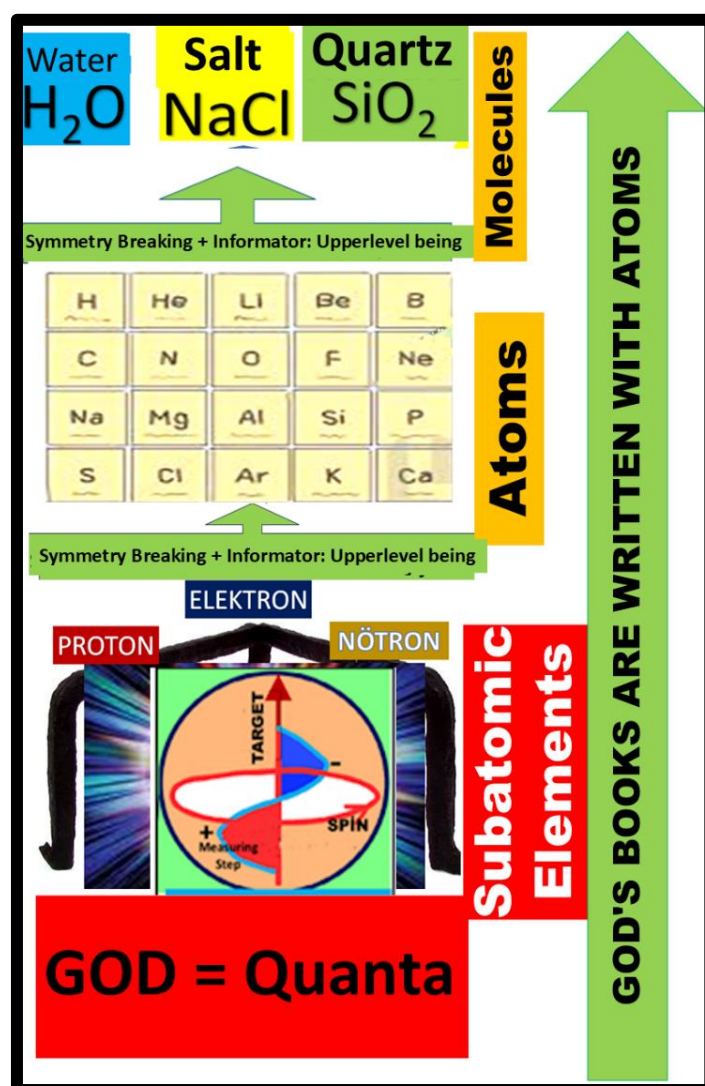
**Figure 5.** The natural system is initiated with the most basic element of life called Quantum.

The data of the archive pages show that the change-transformation factor called TIME emerges with a factor called INFORMATION, when substances gain different properties. Physics experiments and astrophysics data show that all developments in nature were initiated by an element of life called QUANTUM, which was defined by Max Planck [6] as "elementares WirkungsQuantum = the most basic intrinsic impulse, the amount of motive element in nature".

In other words, at the beginning of the universal system, everything begins with the most basic elements of life called quantum. It is calculated that their number should be much

more than 10 to the power of 100. The important features of this enormous number of basic organisms, which are shown in a very simple way in the figure (such as their ability to instantly evaluate everything around them, to communicate instantly on a universal scale, etc.), is indicated in [3, 4].

As can be seen in the figure, the most important feature of basic living things called quanta is that they are in a change-over in the form of positivity-negativity and have a purpose-goal. The achievement of this basic goal started about 12-13 billion years ago and is developing in QUANTIZATION.



**Figure 6.** The most basic living thing called quanta begins to form the natural system by forming a proton-neutron-electron triad.

Since the formation of the natural system was initiated by the most basic element of life called quanta, the subsequent developments have always been in the form of the multiplication of this most basic element, which is called quantization. Since quanta are basic living things, they cannot be divided, they are not fragmented, they always continue to exist as a whole.

With the quantization method, subatomic elements such as protons-neutrons-electrons are first created. Then, with the combination of these subatomic elements, the basic chemical elements that we call atoms are formed. Then, in their combinations, larger entities such as molecules are formed and the development of the natural system is maintained.

As you can see, there is a very close relationship between INFORMATION and TIME [5]. A new development of existence takes place in information, and since quanta prefer entities formed according to the best information and abandon the bad ones, a development called evolution emerges [2].

The most basic element of life called quanta was discovered as a result of investigating how energy is transferred in

nature. In other words, quanta are the most basic energy sources in nature. Therefore, all developments in nature are directed by the factor called ENERGY.

Since the concept of God is a meaningful term that creates and directs everything in nature by humanity, today's term QUANTUM is synonymous with the term GOD of our ancestors.

Physicists are at the forefront of this mistake concerning time. Physicists always think of time in relation to the process by which an object moves. The term time ( $t$  = time) used is always a change-transformation process measured with an instrument we call "clock", such as hours or seconds. However, changeovers do not develop according to the ticking of a clock, but depending on a guidance factor called "INFORMATION". However, there is no such factor as "KNOWLEDGE" in the formulations of physicists [5]. For this reason, most physical designs do not correspond to the natural system.

In summary Physicists has made many mistakes:

1)- They have misunderstood the concept of TIME;

2)- They did not use such a parameter as KNOWLEDGE, whereas in nature everything is done with information;

3)- Since they interpret the term called entropy as a trend towards disorder, they think that things will disperse over time, whereas the trend in nature is in the direction of creating order by creating information.

One should not believe everything physicists say, who are ignorant of the information-factor that acts as traffic signs that direct the flow of energy. Especially imagine how sound the logic of physicists is who create theoretical formulas based on the assumption that the phenomenon of TIME is an infinity indexed to the life of an eternal immortal being.

Without the ability to create KNOWLEDGE in beings, there would be no such thing as development in our world. Let's illustrate this with an example. Archive pages of the Earth show that dinosaurs dominated the world 66 million years ago. 65 million years ago, a large meteorite hit our world and turned it into a fire zone. All forests are burned to ashes. Sunlight is blocked from reaching the earth's surface for years by a dense gas-dust cloud. Three-quarters of all living things on Earth, including dinosaurs, disappeared. If all living beings were unconscious like robots, they would not be able to perceive this tremendous changeover in nature. Robot-like beings would not be able to create information from them and restructure their bodies according to that information. Therefore, life would continue in its impoverished form.

However, the archive pages of the earth show that life has developed and diversified again with the development of many new living groups, and that dinosaurs have been replaced by another group called mammals, and the world of living beings has increased again.

The fact that time is a phenomenon that emerges as a result of changeover events has created a system in which changeovers are perceived and transformed into INFORMATION and new high-level entities are created in accordance with that information. This is how dynamical systems have taken their place in nature.

In other words, the concept of time has been the most misunderstood concept so far. Time is a concept in the sense of the order of occurrences and developments in nature. Our ancestors believed that the universe was created by a Super-natural Force, that is, by a power-force system that is external to beings. Such a belief requires that time be an eternity indexed to the lifetime of this Power system, because if it is finite, the creator is dead. Then there would be no such thing as nature. This wrong view of nature has been the most fundamental mistake that has misled humanity.

One should not believe everything physicists say, who are ignorant of the information-factor that acts as traffic signs that direct the flow of energy. Especially imagine how sound the logic of physicists is who create theoretical formulas based on the assumption that the phenomenon of TIME is an infinity indexed to the life of an eternal being.

Because of this fundamental error, the relations between the

branches of science, which are closely related to each other, such as classical physics, quantum-physics, chemistry, geology, biology, neurophysiology, etc., are not known at all. However, our cells continue their lives by using all of these basic branches of science and form a living species that prioritizes information like us humans. We, on the other hand, think of this realm of cells as uninformed and unconscious creatures.

Changing the chemical composition and structural texture occurs in the form of perceiving the changes-transformations around the entity and making changes in its own structure (composition) in accordance with it, which is the result of the development of a dynamic system, which is summarized as "information & self+re-organization". That is, "information" is reflected in the chemical structure and physical tissue. The information reflected in the structure of the entities directs the flow of energy by creating polarization or anisotropic (such as hot-cold, plus-minus, male-female, etc.) properties. With the change of the structure, the image of the entity changes, and the change of the image occurs as time. Therefore, the factors of information + chemical-composition + physical-tissue + energy + time are intertwined with each other.

The only reason why human beings have formed a concept called eternity is that they do not know the developments of nature based on the quanta. They assumed a super natural power like a god outside of beings. Scientists believe that developments in nature are formed by random collisions, not by the conscious behaviour of beings, and that a super-natural power selects the best ones. This is the reason why the concept of time is perceived as an eternity without beginning and end. When the phenomenon of time is indexed to the lifetime of this super-natural system, it is accepted that this super-natural force must be eternal, otherwise nothing can come into being and develop in nature [13].

Why can't it thrive? Because it was assumed that the developments were governed by a supranatural power like a god. If this power dies, who will govern the developments?

This is why the concept of eternity was created. However, there is nothing eternal in nature, because developments are directed from the bottom, not from above. Everything gets its energy from the elements at the base (inside) them. Bodies need to be constantly renewed, as the most basic subatomic elements (the quantum system) always prefer the most efficient structures created according to the best information and migrate by "tunnelling" them. For this reason, the cells in our bodies are always renewed every few months and new ones are formed in their place. This renewal always occurs in a shorter time in molecules and in an even shorter time in atoms. Therefore, there is no such thing as eternity in the natural system.

All the information we create by interacting with our environment is transferred to our cells, and they direct life by blending the hereditary information inherited from their ancestors with the data we transfer to them [9]. When bodies age and decompose into atoms, the information stored in them

is blended with the natural system, calibrated with them, and mutual information transfers take place between them. Based on this new blending of information, beings interact with each other again and begin to rebuild the natural system. And so the cycle continues. Nature and the world evolve as described in the first chapters, ensuring the continuity and continuity of life. In other words, there is no such thing as death in nature, there is recycling.

We clearly see this "recycling" event in the functioning of our digestive system. Namely: All living things break down the food they eat in the digestive system and convert them into basic molecules called amino acids. Amino acids are the basic molecules at the very beginning of the life system. In other words, recycling has gone back to basic elements 3-4 billion years ago. Every living thing begins to rearrange these basic amino acid molecules according to their own genetic information records; Some creatures make bodies that will live by clinging to hard rocks such as mussels, some make durable threads like a spider, and some make organs such as hair and wings. And all these developments are a recycling and rearranging event.

In reality this is the case and life continues in continuous change-overs. When bodies age and have difficulty adapting to changing natural conditions, recycling is initiated, and the body decomposes back into its cells and molecules. Calibration takes place with the natural system, and the world is recreated every day.

Death and the fear of death is a faulty program placed in our subconscious as a result of the transfer of a completely wrong view of life to traditions.

Everything happens in the form of the fusion of subatomic elements, which are very short-lived and very mobile, into longer-lived and less mobile super-systems (atoms, molecules, cells, bodies). Nothing can be eternal, it decomposes into its sub-components after a certain life-cycle, and nature develops in a continuous change-transformation system in this way.

*Since nature is in a constant state of change and transformation, no higher-level being can have an eternal life. If the entities formed become eternal, the quantum elements are imprisoned within these eternal beings, and the creation of new higher-level beings is prevented, because they are all imprisoned. Therefore, all beings have a cycle of birth and death.*

There is nothing in nature that does not undergo change, because everything begins with the most basic element of life called quanta [5]. Since quanta are the most basic element of life, everything in nature takes place in the form of their reproduction. This is called quantization. Atoms are products of this quantization. Molecules are formed by the combination of atoms, cells are formed by the combination of molecules, and the whole world of living things, including humans, is formed by the combination of cells. Thus, an evolution in the

style of lower-level – high-level has emerged. The power of making and creating always belongs to its lower-level elements, that is, the cell forms the body, the body cannot form cells. We can't make a cell, but cells form thousands of different bodies according to their genetic information.

Why do we have to die?

- 1) It is not clear in advance where the universal system will go, it is proceeding according to the probability calculations of the quantum system.
- 2) As quanta merge into super-systems such as atoms, molecules, and cells, they undergo symmetry breaks according to the goals shown to them by the super-system they enter, and they obey the rules in that super-system. If we explain this in the example of the water molecule: H is flammable, O is combustible; but in water with H<sub>2</sub>O composition, these properties are completely lost. In other words, H and O underwent symmetry breaking to form the water molecule.
- 3) If the quanta that make up the universal system are free, they can invest in the most appropriate systems according to probability calculations. The quanta inside a person are not free, their symmetry is broken to fit the goals indicated by that person. Therefore, in order to continue to evolve on a universal scale, human beings must die and decompose into atoms so that quanta can interact with the universal system and continue universal evolution based on knowledge.

*Time is fourth dimension of matters in nature.*

Time is formed as a result of the change and transformation of the natural system, that is, beings cannot remain in 3 dimensions, they are constantly changing and transforming. Nature is in constant change and transformation, every being changes and transforms. These changes-transformations lead to a constant change of assets. Therefore, entities cannot remain static, 3-dimensional, and their size changes over time. In other words, nature is a 4D system. Let's explain this four-dimensionality with examples.

When a human being is born, it is a creature as small as 2 kg. Then it grows, reaches a body of 50-60 kilograms, becomes puberty, enters a most active phase. His body chemistry forces him to mate and pass on his hereditary knowledge to a future generation. The two cells from the mother and father merge and a new body begins to be formed. The fertilized cell multiplies in a geometric sequence such as 2-4-8-16 and forms a new human being and birth takes place. When a person gets older, he collapses again, his energy decreases, the cells age, stop multiplying and disperse. As can be seen, assets are not fixed-size. There is a 4-dimensionality in constant change-transformation. Time is the image of this 4-dimensionality. Therefore, life is completely based on the cycle of birth and death.

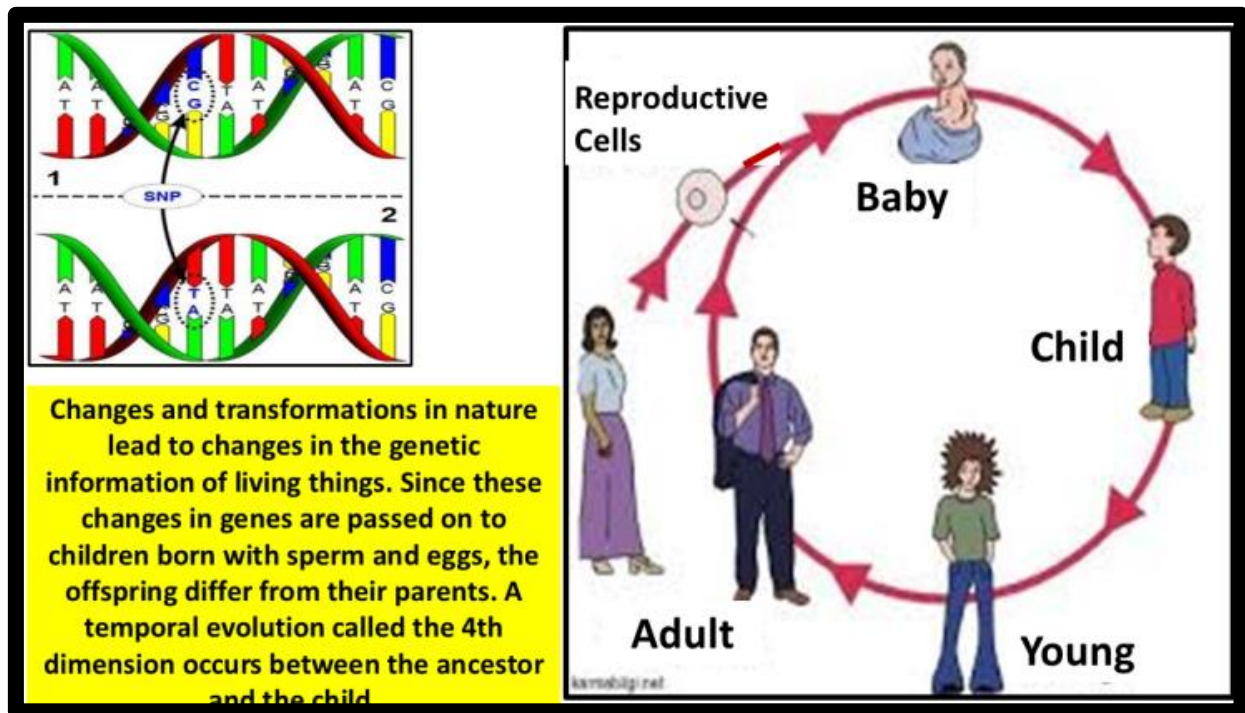


Figure 7. Developments of a baby.

These changes of humanity can be clearly seen in the cultural development graph below.

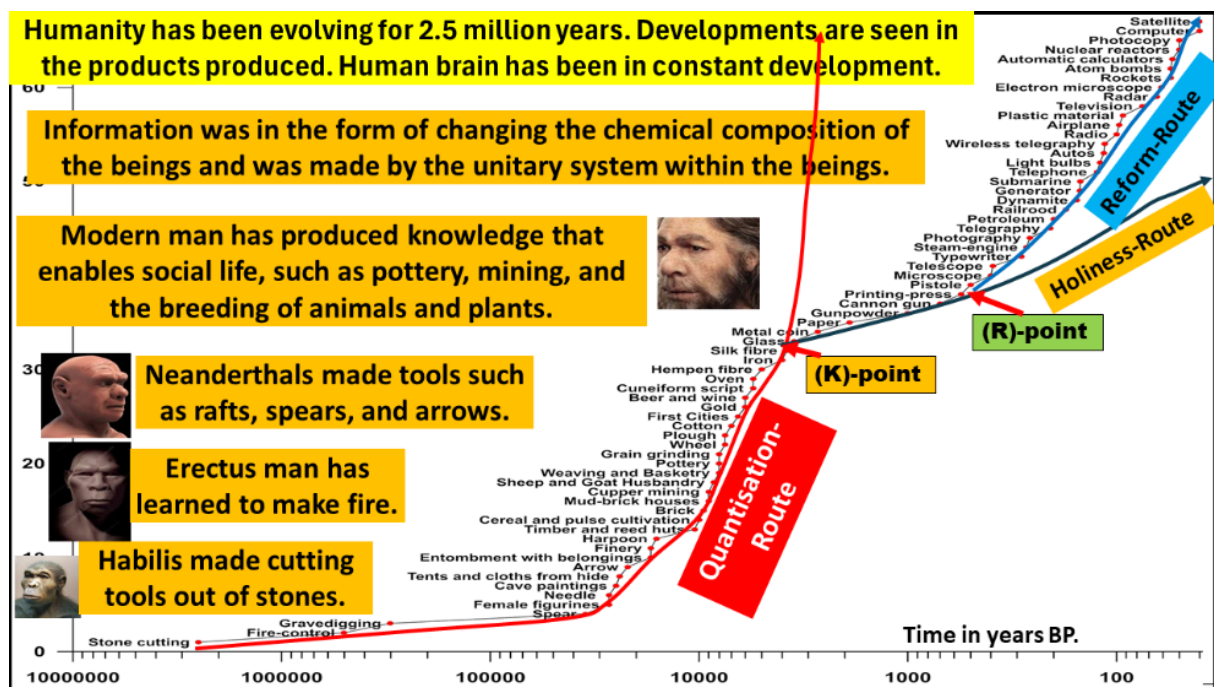


Figure 8. Developments of humanity.

Are nature and the world also 4-dimensional?



Figure 9. Development of the Earth.

Yes, the natural system is also in a 4-dimensional change-transformation system. In the figure, the changes in the geography of our world for the last 250 million years are seen. 250 million years ago, all the continents on Earth were united. It begins to break down 200 million years ago and comes to the present day by passing through the phases in the figure. The Himalayan mountains are the highest mountain range in the world today and were formed about 10 million years ago. Going back further, it has been determined that India broke away from Asia and migrated southward. 80 million years ago, India was a continent separated in the ocean south of the equator. In other words, there was a huge ocean between Asia and India 80 million years ago. Towards the present day, India gets closer and closer to the Asian Continent and 30 million years ago, it started to hit Asia, so the layers on the ocean floor between them started to squeeze and rise between Asia and India and come out of the sea. As India approaches Asia, the layers on the seabed rise higher and form the highest mountain belt of today. The most important evidence that this is the case is the marine environment fossils found in the rocks of the Himalayan mountains.

## Author Contributions

Ismet Gedik is the sole author. The author read and approved the final manuscript.

## Conflicts of Interest

The authors declare no conflicts of interest.

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