

Allah Between

Innate Knowledge and Evidence

By Sheikh Mohammad aal Yasin

“Their apostles said: "Is there a doubt about Allah, The Creator of the heavens and the earth.” (Abraham 10)

“How can your presence be demonstrated by someone who is in his existence in thy need? Is there a sign of some one’s else presence other than yours to prove the sign for thy presence? When have you been unseen in order thy presence be proved and when have you been unrealised to be realised by signs that lead to thee.... . {Imam Hussain peace be upon him)

How surprising that Allah is disobeyed

Or His presence is denied by a blasphemer?

Every movement demonstrates His presence

Calmness around bears all signs

In everything there is a sign of His presence

That demonstrates His Oneness.

(a classical poet)

In the Name of Allah All Merciful, All Compassionate

Thank is due to Allah, Lord of the Universe and prayers and peace be on our Master Mohammad and the clean members of his clean households.

Since the early years of its creation on earth, humanity has been occupied by the creator of the life and its presence in this open universe. People's thinking about theology- Allah's presence- in ancient time was in accordance with their knowledge limitations and limited horizon of awareness. This has diversified and expanded because of the mental progress and the advancement of human thought until this has reached its climax at the age of philosophy when the philosophical discursive thought played a major role in this field and exhausted it, and established concrete evidence and pillars that are uncontroversial for the Faith. The suspicions of the ignorant and doubts of the unbelievers were dispersed.

And, when the age of science has culminated in its huge progress in late centuries, a number of scientists tried to exploit it against religion and defame our doctrine. They have claimed that science disproves Allah's presence and rejects the mental base which states the necessity for the existence of a creator for every creation. Then all things in the universe were attributed to the movement of the "matter" and the rise of the "chance" and the confusion of the creation and evolution that for the claimed evolution.

Doubts and suspicions have appeared and remarks and assumptions spread and drums were beaten for the eternity of "matter". The Muslim society has come face to face with a hard hurricane that shook the ideas and swept away with it all those whose faiths were established on imitation rather than evidence and satisfaction.

And, because we are satisfied that Islam never collides with science and intellect as it is based and supported by both of them, it is necessary to investigate the theology- Allah's existence in the light of modern science which doubters have to exploit for destruction and sabotage. The summary results of the investigation can be sum up as follow:

Science by its special terminology and its unbiased methodology and by its most modern theories and discoveries has enhanced our belief in Allah, the Exalted. And, it has put at our hands evidence and proofs that were inaccessible by previous writers and investigators. And, overwhelmingly and

clearly has science refuted all the claims put by those who believe in the eternity of the "matter" and the effects and development in creating and making, all the claims of those relying on the chance and probability for the rise of life and the creation in this vast universe.

And, a wish the book to be comprehensives to the subject, I have begun my investigation by quick review of the proofs of the healthy innate knowledge and the evidence of philosophy and the evidence of scholastic theology. I also investigated in details the style of the holy Qur'an in demonstrating this great truth. It is a unique style in the art of induction because of addressing the intellect and awakening the feeling and relying on sensation and external effect. I have concluded the investigation by referring to the evidence of the modern science in this vast spiritual journey.

My sole hope from this investigation is honorarium and reward and for the respectable readers guidance and benefit, and Allah is the helper of success.

"Praise be to Allah, who hath guided us to this (felicity): never could we have found guidance," (The Heights 43)

"Our Lord! we have heard the call of one calling (Us) to Faith, 'Believe ye in the Lord,' and we have believed. Our Lord! Forgive us our sins, blot out from us our iniquities, and take to Thyself our souls in the company of the righteous." (The Family of 'Imran 93)

Al-Kadhimiya-Baghdad-Iraq

Mohammad Hassan AAl-Yasin

The investigation in the existence of a creating God in full control of the universe and the proofs for the existence of this creator is as ancient as humanity, though it has taken different forms throughout the ages, and various methodologies, with different kinds proofs.

And, Man- since he has become an aware creature- was naturally disposed for looking behind the invisible and was born with the desire for knowing the

principles of things and their purposes and understanding the reality of everything . Where has it come from? How has it ended like this? Where will it end? And so on.

And, under the influence of this innate knowledge, Man has looked at the universe and spared no efforts to think about its secrets and has gone deep into it throughout ages of history according to his understanding and comprehension abilities during each era of civilisation. The search for the First Cause that has created the universe was in front of all these secrets of the universe which he has tried to understand and contemplate about according to the tools of his own understanding and thinking.

Man's awareness about the essence of things when it began- was initially limited and was confined to the circle of his own simple and narrow life. It has, however, developed throughout the ages in compliance with his advancement in other fields of knowledge. It is not surprising, therefore, that the subject of belief in God, the creator, has been in gradual progress in accordance to the advancement of Man's intellect throughout his near and far history of development.

For this reason, some people were animal or star worshipers, others had worshipped inanimate things, believing they were his gods that resurrect the dead or bring the dead to life that give and forbid. Not only did people worship them or were satisfied with their divinity but knelt at their feet, offering them sacrifices in order to bring them good welfare and forbid evil from them. Man saw the sun and confused to be Allah because it helps in making life, warmth and helps living creatures to grow. He saw the moon lights the dark nights for lost travellers in heart of the barren deserts, so he had confused it to be God. He also saw the stars beaming from a far distance as if they were unsolved riddle that strikes the mind with surprise. He had confused them to be God. Then he saw-at last but not the least- some animals that provide him with drink and food and material for clothing him or some of them caught his attention by their huge sizes or courage, he rushed worshipping them to be God.

All these practices prove the simplicity of this Man's thought and intellect and they also stress the autosuggestion of Man's normal innate knowledge that there must be God that had created this universe before it was there.

Man's view to these matters with the help of the messengers and the guidance of the divine books and with the advancement of his feeling and comprehension, he has realised Allah, the Creator owing to his own sharp understanding and comprehension, "He Who created the seven heavens one above another: No want of proportion wilt thou see in the Creation of ((Allah)) Most Gracious. So turn thy vision again: seest thou any flaw?" " Again turn thy vision a second time: (thy) vision will come back to thee dull and discomfited, in a state worn out." (The Sovereignty, Control 3,4)

Innate knowledge is the main source for Man's realisation to Allah and believing in Him. This innate knowledge or his inner awareness that is referred to as (unconsciousness) has persuaded him for necessity of the existence of a Creator for this universe that had created all creations and made them from nonexistence. And had inherited in every creation its own system and that performs its duty and serve the purpose which it had been created for in such a systematic, fixed and well-organised method that does not change.

And, when some French researchers have investigated the life of dwarfs in the middle of Africa, Malta, other islands and in some parts of the Philippines they have concluded conclusively that 'The dwarfs represent the remote stage in the development of human race and they are so primitive that they are worse than the South Eastern Asian tribes.

"Schemdit (sic) and other researchers did not find in their practices of those groups any proof for the worship of nature or spirits. Their belief in magic was less strong than the belief of the nearby tribes that were better civilised and cultured than them. However, the most distinguished of their beliefs was the worship of superior existence and this existence is the Creator and the Lord of the Universe."

We can stress here that the discovery the long past of those tribes and their faith is a serious discovery in the history of religions because it has proved

conclusively and without doubt the complete relation between the innate knowledge and monotheism.¹

The Scottish thinker, Laing, "states that every individual has within him the idea of (causalita) فكرة العلية and this is enough for the formation of faith that there are gods that had created the this universe."²

Man has grasped this reality by his human innate knowledge, and the proof of it is as visible as its clearness because this innate knowledge believes that behind every trace there is a doer, and every existence means there is a creator for it and the 'camel's dung is a sign for the presence of the camel', and the footprints are signs for the passing, Do not a sky with Zodiacal Signs and an earth with roads within its mountains indicate to One that understands the finest mysteries (and) is well-acquainted (with them).

When Imam Sadiq (p.b.u.h) was asked, "Oh, son of Allah's Messenger, guide me to Allah." He answer, "Oh, slave of Allah, have you embarked a boat?" The inquisitor answered, "certainly." Imam Sadiq asked him, "Did it break down when you were on board, and you could not be saved by swimming or a nearby boat?" The inquisitor relied, "Yes." Imam Sadiq inquired, "Did not your heart look cling to something that has the ability to save you from your dilemma?" The inquisitor answered, "Yes." Imam Sadiq told him that the thing that his heart had clung to and looked forward to is Allah."

As an example of the autosuggestion of the innate knowledge and its drive to Man to believe in Allah, I state below the following handed- down story:

"A blasphemer attended one morning a religion ceremony in Baghdad, proposing to challenge any person who may object to his blasphemy by holding a debate with him. The man in charge of the Majlis sent a messenger to a speculative theologian to bear the task of debating with the blasphemer. Having arrived to the house of the speculative theologian, the messenger told him the reason of being sent. The speculative theologian had ordered the messenger to go back and inform his master that he was on his way.

¹ Nash'at al-Deen, P. 196-197

² Ibid, p.184

All attendants remained waiting for the speculative theologian's arrival. He did arrive when the attendants were about to leave the majlis. Having arrived and greeted them, he apologised for being late unexpectedly, hoping that everyone would excuse him because he was caught by a strange happening. When he was asked about the surprise that withheld him, he said that when he was walking towards the majlis, he arrived at the banks' of the Tigris River. He saw a very huge tree falling into the river by itself. Then it was cut by itself to pieces to certain sizes and shapes and those pieces came together to form a boat. Later tar was poured in it and was nailed and it became a very attractive boat. It stopped at the river bank and people embarked on and they were ferried to other side of the river. When those passengers disembarked, people who were waiting there embarked on and they it carried them to the opposite bank. They were carried from one bank to the other without any one in control. This show caught him by surprise as he spent hours watching it without being aware of being very late."

As soon as the speculative theologian concluded his story, the blasphemer who had been listening laughed mockingly and addressed the attendants by saying, that he was really sorry for wasting his time waiting for the arrival of that man, i.e. the speculative theologian. He continued by saying that he had not heard something as stupid and unreal as that story. He went on by saying, "Could anyone believe that a tree could fall by itself, then cut to pieces and come together and become a boat without the interference of someone, and carried people from one side to the other side of the river without a controller?"

Having finished his comments, the speculative theologian turned to him and said to, "If the rise of a boat from a tree by itself sounds to you illogical and hard to believe then how do you consider the rise of heavens, the earth, the stars by themselves acceptable and logical?" The speculative theologian went on addressing the blasphemer, "Could you tell me then who is the most stupid one, thee or I?"

The blasphemer bowed his head in silence, acknowledging his mistake and ignorance.

Therefore, innate knowledge dictates to Man the proof of faith, and by this manner which is far of the ambiguous proofs and terminology of philosophy and its difficult complicated jargons.

As for Philosophy, it has its own special way of proving and deducing, and philosophers have on this subject debates and a number of logical proofs were concluded by them that confirm the doctrine, deepen the faith and refute the doubts.

The most their clearest proof is: If the existence is a necessity that is what is required but if not it requires a creator as infinite cause and series is impossible.

This is meant:

Anything that exists all by itself, if its existence is necessary and that is what is requirement but if its existence is not necessary then it certainly requires a creator for its existence spontaneously. And, if that creator is necessary existence that is what is required but if it is impossible then it requires a creator and this will go on infinitely but infinite serial is impossible and untrue.

And for further clarification, it is said,

There is without any doubt a creator and if his existence is necessary for its essence as the essence of heat to the fire, that is what is required, but if its existence is possible then it requires a creator and if that creator's existence is necessary for its essence then no further creator is needed. But if it requires a creator the case will go on endlessly and this infiniteness is impossible. Therefore the creator must precede his creation.

And if that effect (creator) is something else other than its creation it should be one of the following:

1-To end to a creator whose existence is necessary to his essence and it does not require a further creator.

2-The sequence continues infinitely.

The first answer is the logical and acceptable one and the second one is untrue.

And as any possible existence requires a (creator) and this influence either

1-It is itself

2-An effect from within

3-An external effect

The first is impossible as the creator must precede his creation but for the creation to precede its creator is logically impossible.

The second case is also untrue because the thing that is affecting another affects all its parts and if part of the effects that thing, it must affect itself and affect what it has influenced but both cases are impossible.

The first is untrue because the creation cannot precede its creator.

The second case is the infinite serial which the intellect rejects.

As the first and the second cases are untrue, the third one is true and it stipulates that the thing that affects another must be outside the affected one and the one that is outside all possibilities cannot be possible in itself, otherwise it would have become one of them. Its existence then should be independent and that is what is required.

The entailment of this proof in a clearer term is: As there is a creator for this universe because the creation cannot be made from nonexistence by itself, and if this creator exists, undoubtedly, because the universe existence cannot be from nonexistence i.e. from a creator that has no existence. Therefore, the creator is either necessary existent or not. If it is necessary existent then that is what is required. But, if it is not necessary existent then it requires a creator (an effect) that has created it, and if this effect is necessary existent it is the the required thing but if not it requires an effect behind its existence.

Then it can definitely be concluded that there is a creator (the First Cause) and is the source of the existence that is represented in the universe. If the case is not as it is, it can be one of two cases:

1-The infinite serial and this means every creation requires a creator and this can go on infinitely and this is logically rejected and untrue also because it yields no result.

2-The rotation case which means that the creator (effect) has created something that is referred to a sign and this sign has created the creator and this is clearly untrue because this will lead to the conclusion that the existence of that creation depends on itself and this is clearly untrue.

And, if the infinite serial and rotation as it was seen are untrue, it must be accepted and agreed that there is the First Cause and it is Allah, the Exalted.

However, the speculative theologians have used other methods to prove Allah's existence and they have relied on the liberal intellectual method, away from quoting and imitation without authority. They have stated among other things the following:

Bodies and things similar to them have been created and what proves this is the impossibility of them remaining without new changes as they have been inherited with them and anything that is changeable must have been created and when comparing our deeds with this we conclude that we were created.

And among them

The universe was created and was found from non-existent because everything in it such as length, shortness, increase, decrease, the transformation from one state to the other and the change from night to day contains the sign of creation. And Allah had created all that because every creation must have a creator. Behind the book, there is an author who has written it and the building must have a builder who has built it.

The benefit of this resume and the proofs and the like which cannot all be listed is that when this universe with all its organisms and inanimate, celestial and earthly things were created, i.e. they were non-existent before their creation. And, as the change, transformation and renewal are concomitant to the things in the universe are as similar as to our actions and movement. Our certain deeds and actions, as we are aware, are not existent by themselves but we perform them as we make food, drinking, movement, reading and writing and the sort of our daily activities, we would realise that this universe and its beings must have a creator and this creator is Allah, the glorified because a

product requires a producer, the book needs a writer and the building needs a builder.

Now, let us go back to the holy Qur'an and read the proofs there about this mortal fact.

The holy Qur'an has given certain attention to this issue and proofs were referred to in many different ways and very often more than in any other divine book revealed by Allah.

This is because Torah did not address blasphemers or doubters because it was revealed to people who used to believe in the God of Israel. His existence was not doubted or suspected by them. Therefore, Torah was concentrated on warning those people against the anger of God and the consequences of believing in a god other than Him and reminded them of His promise and the consequences they would face if they forgot or did not perfume their duties in the required way.

There was no dispute between the Bibles when they were revealed and the Torah about God's existence. The dispute was about the hypocrisy of heads of their tribes, priests and their manipulation of religion and the accumulation of unlawful wealth and fame.

When Islam appeared and the Qur'an was revealed, people were different in this regard. Among them, there were blasphemers, idolaters, polytheists, Christians and Jews. Each of those had his private opinion about god and the way of worship. The Qur'an had to concentrate on this issue and gave it the uttermost attention because people had to be satisfied and convinced about the call of Islam and they had to be led them to the right way.

And, As Islam is the seal of religions and the Qur'an is the last of the divine books and would last for organising the religious and worldly affairs of people's until the resurrection day, it is an obligation that the Qur'an gives this a particular and special attention by establishing fixed proofs about the existence of Allah, the Exalted and draws the attention of the blasphemers, idolaters, doubters, polytheists and the ignorant to the universe's creator and His great signs that prove His existence and perfection, the Glorified, the

Exalted and block the way against the penetration of the unforeseen uncertainties through the presentation of the logical and intellectual signs and traces.

Therefore, all the Qura'nic verses about this issue were directed to the Man's intellect in order to awaken him gently and quietly from his deep sleep and lead him to the required goal and present him clearly and visibly with Allah's signs and the traces of His great creation and draw Man's attention to the minutes of the universe, its facts and realities and present to calmly and positively the fruits of this intellectual round.

"Behold! in the creation of the heavens and the earth; in the alternation of the night and the day; in the sailing of the ships through the ocean for the profit of mankind; in the rain which Allah Sends down from the skies, and the life which He gives therewith to an earth that is dead; in the beasts of all kinds that He scatters through the earth; in the change of the winds, and the clouds which they Trail like their slaves between the sky and the earth;- (Here) indeed are Signs for a people that are wise." (The Cow 164)

"Verily, in the alternation of the night and the day, and in all that Allah hath created, in the heavens and the earth, are signs for those who fear Him." (Johna 6)

A number of the Qur'anic honoured verses have aimed to demonstrate the existence of Allah, the Exalted, through contemplation about the creation of Man and the complexities that cannot be without a competent creator and the design of a creator.

"Do ye then see?- The (human Seed) that ye throw out,- Is it ye who create it, or are We the Creators?" (the inevitable 58&59)

Now let man but think from what he is created! He is created from a drop emitted- Proceeding from between the backbone and the ribs (The Morning Star 5, 6&7)

"Were they created of nothing, or were they themselves the creators?" (The Mount 35)

“Among His Signs in this, that He created you from dust; and then,- behold, ye are men scattered (far and wide)!” (The Romans 20)

“It is He Who brought you forth from the wombs of your mothers when ye knew nothing; and He gave you hearing and sight and intelligence and affections: that ye may give thanks (to Allah..) (The Bees 78)

The complexities, wonders and signs that Man’s creation have contained are proofs for Allah’s existence?

Modern science states that Man has originated from one cell and that cell is the basic structural functional and the biological unit for of all knowing organism. They have the ability to replicate themselves independently and are sometimes called the “building blocks of life” Their average number in the mature human body is around one hundred trillion cells. The cell is a complex alive structure, highly organised and essential operations take place inside it and each cell has a specific function in the human body. Their shapes are different according to their functions.

Squamous

Squamous cells are thin and flat, with a slight bulge where the nucleus lies. These cells are commonly compared to the appearance of a fried egg. These cells are most abundant in the skin and the lining of the oesophagus.

Polygonal

Polygonal cells, much like their name implies, are polygonal in shape, with five or more sides. Sometimes these sides are elongated in such a manner that they form a stellate or star-like shape.

Cuboidal

Cuboidal cells are square-like in shape and are typically as tall as they are wide. This type of cell is commonly found in the liver.

Columnar

Columnar cells are similar to cuboidal cells; however, they are taller than they are wide. This type of cell is commonly found in the lining of the intestines.

Spheroid

Spheroid cells, sometimes referred to as ovoid cells, range from circular to ovular. Examples of spheroid and ovoid cells include fat cells and human egg cells.

Discoid

Discoid cells are shaped much like a disc, or a Frisbee. An example of a discoid cell includes red blood cells.

Fusiform

Fusiform cells are often thought of as spindle-shaped; thick in the centre and tapered at the ends. These cells make up the smooth muscles.

Fibrous

Fibrous cells are long and thread like, without any area larger than another. The skeletal muscles are composed of fibrous cells.

The cell nucleus of most cells is in the middle of it. The nucleus shape of most cells is either spherical or the oval, and the nucleus size is about 10-20 of the cell size and its function is highly complex because it is the most essential part of the cell as it directs the vital operations within the cell. The nucleus is necessary for the cell life and its performance. It is behind the excretion of number of elements from the cytoplasm that have the hereditary factors from one generation to the other through the sexual contact. During the cell division the nucleus components are transformed to strands called chromosomes. Scientists, after constant study and hard efforts and with the help of digital microscopes, to the nucleus were able to identify double tissue with micro-openings that surround it.

The cytoplasm contains all the cell elements such as energy production stations for the cells. The micro-openings are parts of the cell, which are bubbles full of the cellular liquid and their function is to concentrate the mineral salts.

In addition to aforementioned components, there are various mineral and organic materials in the form of bubbles or crystals. They are either stored foods or discharges that result from synthesis inside the cell.

The cell wall is an essential part of it and the cell protection from any damage that may be affect it. It also organises the movement of the content of the cell as all food the cell discharges pass through this wall. The cell wall contains number of micro-openings that link the cell cytoplasm with the cytoplasm of other cells close to it.

The cell has organic materials and mineral solutions. They are in the forms of very complex compositions such as the proteins, amino acids, carbohydrates, fats and others. They are not there at random but according to certain fixed percentages and balances that cannot be disturbed. Researchers have discovered the percentages of these materials and in the cells of the liver, for example, they are distributed as follow:

%80 water, %12 protein, %5 fats, %2 nucleic acid and %1 carbohydrates and other materials. Proteins are considered the most vital parts of the cell. The protein consists of carbon, oxygen, nitrogen, hydrogen and phosphate. These molecules are formed from thousands of atoms, and some of the molecules have amino acids whose number is between 18-20 acids. They are in various percentages and specific arrangement.

Nucleic acids have carbon, oxygen, nitrogen, hydrogen and phosphate as part of their structure. They all play part in the formation of the proteins and the identification of their certain structure which encodes the genetic instructions of the being.

There are two important types of the nucleic acids. The deoxyribonucleic (DNA) and the ribonucleic acid (RNA) and the DNA alongside proteins, carbohydrates and nucleic acids compose the three major macromolecules essential for all known forms of life. Most DNA molecules are double-stranded helices.

These RNA strands are initially created using DNA strands as a template in a process called transcription. The genetic instructions are transmitted through the RNA molecules

Within cells, DNA is organized into long structures called chromosomes. The parent cell is divided into almost two daughter cells. During cell division these chromosomes are duplicated in the process of DNA replication, providing each cell its own complete set of chromosomes.

The cell division starts in the woman's womb after impregnation and cells are replicated and its number may reach millions and from them tissues and other body organs are formed and the growth of the foetus continues.

When this process stops at the early years of youth, it means that almost all organs have reached their full growth and Man moves here from the bodily cells to sexual ones and this division occurs to the mature sexual cells. This new division takes place within the mature sexual cells and this division decides the gender- masculine or feminine- for the continuation of life and the preservation of the kind.

And if any of these cells becomes abnormal and continues the process of division after this stage and without control, it turns to be dangerous carcinoma and becomes a deadly tumour.

And, if we imagine the endless continuation of human cell division at certain age without causing death, then each human individual size would be like a giant dinosaur and it requires hundred tons of food daily and this case earth food resources would only be enough to a very limited number of people.

After this quick journey in cell world, let us go back to the subject to find out that this one cell is behind bones hardness, gristles, tissues and meat, blood- simply all organs and liquids of the human body.

Scientists estimate that the number of the cells that participate in the formation of human nerve system is around 15 billion cells and more than half of them are originated in the brain, and one scientist states, "If would like to extend a line from the nerves of human body, its length is four times the distance between the earth and the moon.

Although science has succeeded in analysing the cell contents and the methodology of its division, life secret is still unknown and remains an unsolved secret and scientists have stood with humility, acknowledging the existence of God.

And, how does this embryo in mum's womb feed, breathe, discharge the waste, and how does the umbilical cord perform its function, without being too long or too short which may harm the embryo?

When pregnancy comes to its end, the female glands excrete a number of excretions with various functions that help the womb's contraction and the sliding of the embryo and some other help it to come in the normal way. The breasts as glands excrete a yellowish liquid that consists of chemical for the baby protection against viruses and germs. And on the second day from birth, and with help of Allah, milk is formed as produced and its quantity is increased day after the other and its contents start changing from water and little sugar to liquid that contains starch, sugar and fat.

With the growth of the baby, teeth appear to prepare the baby for solid food and teeth themselves are considered some of Allah's signs because they are assorted from fangs to moles for cutting and crushing the food. Orthodontists have tried effortlessly to find a way for changing the fake teeth position but they could not achieve this and they have acknowledged Allah's power after having concluded that it is the most creative and complete set suitable for Man and they have moulded the fake teeth on the same models.

When the baby stops from feeding on milk, and start weaning and chewing solid food Allah's signs are more evident here because the baby is being prepared to feed on solid food, using a complete system that Allah made it suitable for this function. There is the mouth opening, the windpipe at the beginning of the mouth and the oesophagus that is the start of the digestive system. Scientists state that any dust atom that may lose its way and tries to go through the windpipe, it would be blocked from entering and coughing is the involuntary body action for such dismissal. Then, how does the first lump of food go through the oesophagus to the digestive canal rather than the windpipe, though their openings are next to each other and the dust atom is deadly if it goes through the windpipe? Well, the soft palate is pushed up and the windpipe is blocked by the epiglottis which does not commit any mistake, though it performs this function hundreds of times daily.

Having been crushed in the mouth by the teeth, the food is received by the stomach and by its violent movement, churning, acids and enzymes that are

secreted by the stomach lining; the food is changed to very soft molecules that are absorbable by the small intestines.

The large intestines are like a big reservoir that collects water and waste to be discharged from human body.

The stomach enzymes kill all food bacteria by the secretion of HCl acid and imagine what would have happened without being provided with such immunity?

This system is not very complicated but it carries with the help of the Lord, the (Creator) the most delicate functions for the body as it is its main supplier with energy that it needs.

In the system, there are different sort of bacteria with many various roles and roughly their types and numbers are balanced and they help in the food process.

Human skin is another magnificence of Allah's creation.

The human body is well covered by the skin and it does not only guard it against versus but against all type infectious agents. It is the largest organ as it has a surface of between 1.5-2.0 square metres and its thickness is around 2-3mm and the average square inch of it holds sweat glands (650), blood vessels (20), more than 60.000 nerves and other things. Although the skin is provided with sweat pores, they are inaccessible by the bacteria or germs. If the skin is bruised or the individual is wounded and bacteria managed to penetrate, the blood cells will take the responsibility to guard the body and battles would start between them and the intruders and the fight will not stopped until intruders are completely dismissed.

Generally speaking, the skin is the body defensive but it also carries out the following functions:

It regulates heat, Control evaporation, sensation and Aesthetics communication, Storage and synthesis, Excretion of Sweat, Absorption. The skin is also water resistance.

Although the skin seems very smooth to the naked eyes, it is not like that. If we take a close to it by a microscope, it will look as three waved hills, filled with

tiny holes (pores) that look like oil wells. Oil is excreted through these pores and when the temperature rises sweat comes out to decrease heat temperature and cool down the body.

Allah's wonders are endless, and as we are talking about human body, we must refer to the ear which is formed from minutes bows. They are around four thousand ones in number and fantastically organised and graded in sizes and forms that are similar to a musical instrument. The ear is designed to pick up sounds from low to loud such as thunders.

The colourful impressions that are caught by the eye fall on the subsequently at a speed of a fraction of a thousand of the second and they eye retina has around a million nerve rods.

Fingers lines and ridges of people are different as such it is almost impossible to find two people with the same lines. The fingers of the hand are not similar and the palm lines are relatively different from one person to the other.

And, we can see that all human organs- eyes, fingers, digestive system, urine system, breathing system blood, tasting tools and bones- are full of wonders and surprises and such creation cannot be found by chance or created by the movement of the blind matter.

I am going to conclude this investigation by shedding the light on the most novel discoveries in the human body and they are the chromosomes- the discovery that scientists have stood in awe and with humility to the Creator.

A chromosome is a very thin strand that is protected by the nucleus by a very thin cover that isolates it from other molecules close to and by this the chromosome has been designated for certain task that it should perform perfectly. However, this cover does not block the penetration from the cytoplasm the vital chemicals that are necessary for building up the molecules of the chromosome to create from them other molecules that are necessary for life cycle through the secure division of the parent cell into two daughter cells. The chromosome also ensures the safe correct growth of these new cells.

Each organism has its own DNA that makes it unique and different from other because the human DNA is encoded with different gene instructions from the monkey, the pig and all other mammals. The same is true of the plants. The

DNA of the date-palm tree is encoded with gene instructions that are different from the orange tree or lemon tree. The same is true of every living creature and plant on earth. Human DNA does produce dogs or monkey as each of their DNA is unique. This uniqueness is the challenge that the scientist not only failed to explain but could not find the way these different molecules with different proteins are formed. It is the challenge that has kept every researcher and scientist thinking that the Lord is behind all this wonder.

Most DNA molecules are double-stranded helices, consisting of two long biopolymers made of simpler units called nucleotides—each nucleotide is composed of a nucleobase (guanine, adenine, thymine, and cytosine), recorded using the letters G, A, T, and C, as well as a backbone made of alternating sugars (deoxyribose) and phosphate groups (related to phosphoric acid), with the nucleobases (G, A, T, C) attached to the sugars.

Human body enjoys 46 chromosomes arranged in 23 pairs. Each chromosome is made up of a large, coiled molecule called DNA that I have already referred to. Under the microscopes, these coiled structures can be seen clearly and each molecule of it is made up of a chain of units called gene which are sections of DNA that code for specific proteins, such as enzymes and hormones. However, about 98% of these sections of human DNA do not serve a function of encoding proteins.

The most magnificent striking show is the winding and the unwinding of the DNA strands at the replication process for the production of identical from one original DNA molecule which serves as template for the production of the complementary strand. Millions of clockwise and anticlockwise turnings are performed by the before strands division. Cellular proofreading and error-checking mechanism ensure the perfection fidelity of the DNA replication.

Scientists and researchers have written papers and books but all their writings lack the conclusive decisive answers for what they have been investigating so far.

Some of the Qur'anic verses have drawn our attention and alerted us to Allah's greatness through His different creation which is so sophisticated that this creation cannot be achieved causally:

“ And Allah has created every animal from water: of them there are some that creep on their bellies; some that walk on two legs; and some that walk on four. Allah creates what He wills for verily Allah has power over all things.” (45 the Light)

“And so amongst men and crawling creatures and cattle, are they of various colours. Those truly fear Allah, among His Servants, who have knowledge: for Allah is Exalted in Might, Oft-Forgiving.” (28 The Originator)

“There is not an animal (that lives) on the earth, nor a being that flies on its wings, but (forms part of) communities like you. Nothing have we omitted from the Book, and they (all) shall be gathered to their Lord in the end.” (38 The Cattle)

“Do they not observe the birds above them, spreading their wings and folding them in? None can uphold them except ((Allah)) Most Gracious: Truly ((Allah)) Most Gracious: Truly it is He that watches over all things.” (19 The Sovereignty)

“And cattle He has created for you (men): from them ye derive warmth, and numerous benefits, and of their (meat) ye eat.

And ye have a sense of pride and beauty in them as ye drive them home in the evening, and as ye lead them forth to pasture in the morning.

And they carry your heavy loads to lands that ye could not (otherwise) reach except with souls distressed: for your Lord is indeed Most Kind, Most Merciful,

And (He has created) horses, mules, and donkeys, for you to ride and use for show; and He has created (other) things of which ye have no knowledge.” (5-8 The Bees)

Scientists have estimated the number of species to be more than two millions and their places of living are also wide-spread. Many of them live on the land and some others dominate the sea.

They sustain their lives on various foods according to their needs and environments. The land organisms are supplied with different tools to maintain their lives with the sea organism as their living environments are not the same.

The mouth is the starting-point for the food process and it reflects the greatness of its designer; it is designed to satiate the creature's need. For examples, predatory animals such as the lions, tigers, wolves, the hyena and the like that depend on hunting are provided with fangs but with very sharp strong claws on their paws to tear off the meat of the capture. Their stomach with a variety of acids is designed for the digestion of meat. Their legs are for chasing, killing and pulling.

Other animals like sheep and cows (the ruminants) live on grazing and some were tamed by Man and became domestic and look after by him. Their digestive system is designed to meet their needs in the environment. Their mouths are big enough for them to swallow large amounts of food. They do not have fangs but strong big moles to help them crush the food well.

They have as part of the stomach three chambers and the first is used like food storage. The ruminants do not have time to chew the cellulose. They swallow it half chewed and send it to the rumen where it is dealt with. With the help of the bacteria in the rumen cellulose is broken and send to the second chamber before it is brought back again to the mouth and the regurgitation process begins. All the digestive stages are designed for the animal and its comfort and help it to get the maximum of the food. Scientists confirm that rumens where plants are fermented before being regurgitated is a very vital process to the ruminants.

However, the birds' digestive system also differs from the ruminants. It starts with a beak not a mouth. It does not consist of teeth or lips. Birds do not chew the food but pick it up and swallow it. The beak is bone-like in its hardness and different according to the bird's need. It has two parts but the upper one does not move as it is attached to the skull. Some of them are flesh eaters; other nectar eaters; some other grain eaters. Their bills are different in shape as their needs. Flesh eaters like the hawks have curve pointed bill that can tear off flesh and meat. Ducks and swans, for example, have broad bills; others like the grain-pickers have shorter bills and so on. It may be asked why the bird's skull is designed with a bill in the front? The answer is to help the bird to stay in flight. The bird is also provided with air-compartments that are parts of its lungs. They supply it with more oxygen during the breath-in and out process during the flight and this way is known as the double-breathing. Although the

bones are hollow, they are denser than the mammals' bones and stiffer and stronger. Simply they are designed and specialized for flight.

Animals' legs reflect the splendour and the complexity of the design which in turns shows clearly that everything is created for a purpose and such creation cannot be attributed to the movement of the blind matter or the chance.

Some animals' legs are designed for carrying and pulling; others are designed for running. Each leg ends with a hoof but differs in length, strength, narrowness and flatness according to the task it is designed for.

Generally speaking, there are four types of hooves. Most of them are formed from three layers of horn a material that is resistant to mechanical and chemical damage. These types are: one-toed hoof, two-toed hoof, three-toed hoof and four-toed hoof

The cows and the buffalo cows enjoy short and strong legs that end with strong hooves that enable them to walk in soft land and marshes; while the camel's legs are long and end with a two-toed hooves that are padded to help the animal not to sink in the sands and are protected by rough skin that protects the camel from gravels in walking and sitting.

Birds' legs are also different according to their needs. Hawks, falcons and similar birds are provided with legs that end with strong legs with sharp claws for catching but the ends of the fowls' legs are different and used for sand moving and stirring it. Ducks and swans and other water birds that depend on water in feeding are supplied with different sort if legs to serve the aim.

One of Allah's magnificent creations can be found in the frog and because it has no neck, the length of its tongue is half the size of its body, provided with sticky material for catching flies. As it has no neck, it is given bulging eyes to help it see in all directions.

Modern biology confirms that mammals enjoy strong smell sense but relatively weak sight contrary to the birds that enjoy strong sight and probably no smell sense because the latter use it for the search of food from high distances.

The shelled mollusc has eyes similar to ours but they are shiny because of the countless reflectors that human eyes do not enjoy. As it lacks intellect, the

shelled mollusc is given such eyes. The number of the eyes may be between two to a couple of thousands. Is nature well qualified in the optic world?

Fish enjoy strange sense of avoiding colliding with rocks and barriers in the darkness of the sea. Researchers found, after investigating this phenomenon, two lines alongside the fish body. Under the microscope these lines are made from micro-organs that are greatly sensitive and can detect obstacles from the water pressure and by this fish can navigate in the dark waters.

Bats have surprised scientists because of their unique ability to navigate their ways in the dark. An Italian researcher has investigated this ability by putting them to the test. He has placed some bats in a very dark room with hanging threads that attached to bells for beeping in case of collision.

The bats have navigated their ways without colliding with any threads. It was found that the bats detect the obstacle by analysing their sound echoes that is made from after hitting the obstacle. They are efficiently able to detect the obstacle and its nature from the echo. Each bat enjoys internal radar with all its necessary tools to navigate and catch its prey during the search for food in the dark.

The camel has a number of Allah's signs that the Almighty draws our attention to by the following Qur'anic verse: "Do they not look at the Camels, how they are made?" (The Overwhelming 17)

As the camel dominates the desert, Allah has enabled it to store enough food and drink for a long period of time in its hump to face and cope with the harsh environment. It enjoys large eye-lids around its eyes, forming sort of nets for the protection of its eyes from dusts during the storm. The camel need not close its eyes in dust storms and can navigate its way safely.

The same can be said of its hooves which are broad and padded to endure the sand and its heat and its upper lip is cleft to help it eat the desert plants that most of them are spiky.

An ant reflects a number of Allah's signs. It has been bestowed with a lot of understanding, patience and sense compared with its small size. The ant's community is one of the animals' communities that deserve to be investigated

and studied because of the hierarchy it enjoys, the close coordination among its members and the stringent organisation within that cannot be matched.

In some of the ants' communities, workers fetch small grains to feed other ants in winter. They build a grinding store where they prepare food for the community by using their jaws.

Some other, cultivate grass for food and other catch worms and caterpillars and from them they obtain certain excretions as food.

Some ants capture and enslave other ants. When building colonies, the ants cut the leaves to the required sizes. How can the atoms of the matter that forms the ant's body carry out, as it is claimed, such complex activities!!

Animals after all enjoy their own languages. When it was revealed, the Qur'an has drawn our attention to this reality in this Qur'anic verse: "At length, when they came to a (lowly) valley of ants, one of the ants said: "O ye ants get into your habitations, lest Solomon and his hosts crush you (under foot) without knowing it." (The Ants 18).

After centuries from the revelation, science stresses this reality after hard work and experiments. Each species of animals has a language that is different from the other. Observe the hen when calling its chicks. It makes certain sounds when it wants them to join it. They understand and respond to but if it wants to alert them to danger, it makes different sounds and the chicks dash away to their safety.

When a bee locates a bed of flowers it returns back to the hive. It starts dancing in specific way as soon as it is in the middle of it. As soon as it leaves the hive, it is joined by other bees to the new bed of flowers.

A researcher states that he has put the ants to the test. When he saw an ant leaving its cavity, he pierced a pin in a fly and left in the ant's way. When the fly was found by the ant, the ant began testing it for twenty minutes to be sure if the fly was dead or alive. Having become sure that the fly is dead, the ant rushed back to the colony. After few seconds, the ant came out from the cavity followed by an army of ants. When they arrived to the dead fly, they tore it to small pieces and each ant came to the cavity carrying a piece of the unlucky fly. When the informer-ant came to the cavity it was carrying nothing. The

question is how did it manage to convey its message to the other ants of the colony? Certainly the ant did that with special language that is understood by them.

Al-Ahram newspaper reported on 26/02/1976 that some ornithologists-birds scientists- in (West) Germany have compiled an encyclopaedia about birds' sounds. They have listed the meaning of 25 words and the sounds associated with them. The ornithologists have used very sensitive recording machines.

The Iraqi Official paper, Al-Jumhuriya, claimed in the attachment of its issue of 28/07/1977 that there were a number of researches around the world who have confirmed that the monkeys' cries are understandable language by other monkeys. The cries were different according to the monkey's needs or the accident. The paper stated that the researchers had recorded the monkeys' responses at times of danger-heavy rainfall, thunder, fire, the shriek of an attacked animal or when scary terrifying sounds were heard. They concluded that, on hearing such sounds, the monkeys became anxious, unstable and hurried to safety even if there was no real danger. It proves that the monkeys instinctively had learned about these sounds and their implied threats and danger.

It has also been noticed that an elephant in the herd never ceases from muttering but when it walks alone, no muttering is heard.

The crow's sounds are very distinctive. Its caw is an alert for other crows against danger; while on happy occasion it makes sounds close to laughter.

Language is not an exception for the aforementioned animals. Each species of insects also enjoys its own language. For example, the male spider uses the threads of the web to communicate with its female. It stands at the end of the web and pulls the female that comes out to receive it, or answers back by pulling the threads in a similar way as if they had a private telephone conversation.

And if we reinvestigate the hen's life to read the proofs of Allah's creation, we will face with surprises. It is enough here to refer to this reality:

An American researcher has decided to incubate eggs and have chicks without the use a hen. He has put the eggs in the incubator that enjoys the same

temperature as the hen's one. After putting the eggs in the incubator, he was advised by a farmer that the eggs must be turned over now and then as he has seen the hen doing that. The farmer was mocked at by the researcher who told him that the hen turns over the egg in order to give the down side of it the same temperature as the upper side. The researcher continued by saying as the incubator enjoyed a fixed temperature; there was no need for the eggs to be turned over. The researcher waited but no eggs hatched even after the assigned date. The researcher repeated the experiment with the farmer's advice in mind and turned the eggs over now and then. The eggs hatched at the exact time.

The last explanation for the turning the eggs is that when the chick is created inside the egg, the food stays in the lower part of its body and if it stayed in the same position all its organs would tear off, and therefore, the hen does not turn over the eggs during the first and the last days. Would the hen understand such secrets without Allah's inspirations that Man failed to explain?

By this inspiration alone eels move in waters and immigrate that strange journey which attracts the attention. Those strange creatures emigrated from the ponds, muddy areas and rivers immediately after the completion of their growth, travelling to the deep areas in the south Bermuda, and there they lay their eggs and die. The newly hatched eggs that are completely ignorant of their parents' long journey and know no place other than where they hatched, return back to where their mothers came from and then to the ponds, muddy places and rivers after swimming against the high waves. However, when they are fully mature unknown reason push them to return back to where they hatched. Where does the incentive to travel the long journey come from?!

European water snakes were never seen in the American waters nor were American ones seen in the European waters. It is also noticeable that the growth of the European water snake is slower by a year than other water snakes because of the loss of the energy it uses throughout the immigration. Have the deaf atoms of the matter accumulated in the water snake and created such sense of direction, deep intellect and the will to embark on that entire journey?

By Allah's inspiration and by it alone, the chicks that were taken from their nests before their maturity build their nests in the same way their parents did when they become full birds, though they have neither seen the art of building from their parents nor have they trained to do that.

By the same token, some animals regenerate some of their body missing parts. Starfish and home lizards use self-mutilation of the body. This process is called autotomy and regeneration is complete the repairing cells stop from working.

This regeneration process is not unique for the afore-mentioned animals. Other animals such as salamanders and the hydra regenerate some of their organs.

By this inspiration alone, some animals are able to foresee earth quacks, tornados, volcanoes. Before the occurrence of such events, the animals such as rats and mice and insects like cockroaches run out from their dens and cavities in terror seeking safety. Researchers stress that the animals' prophecies are all true. The first animal camp that has a number of animals for this purpose was established in California desert.

Some researchers have found that some birds sing continually shortly before the rain fall. Domestic cats and dogs run for safety before the heavy rains, the tornados and the storms.

By the same token, a fly excretes a drop of a liquid after eating its food and suck the liquid again to mix it with the food to be easily digested. By the same inspiration that Allah has given, the winged beetles that are called fireflies or lighting bugs attract their mating partner or prey by bioluminescence. Scientists found that the light is produced chemically from the lower abdomen and it may be yellow, green, or pale red.

And by this aspiration alone, bees produce royal jelly for the queen and larvae to enable them to grow healthy. And by the same inspiration, the bees clean the hive and restore any cracks in its walls and sting the mouse that trespasses to the hive until death and seal the body to prevent the emission of any bad smell from it. The bees also ventilate the hive in hot summer. A great number of them stand at the hive's door fanning the hive by their wing by a breeze of cold air; while another group tries to fan the hot air away from inside it.

When we look at the world of insect, we will be surprised. A quick look at the inherited knowledge of the insects may save us from going into details.

The cabbage looper chooses the cabbage leaves for its eggs, though the insect itself does not feed on cabbage but the inherited knowledge it has led it to it. After the hatching of the eggs, the worms eat nothing other than the cabbage leaves. The insect does not have intellectual awareness for its action. And the sand wasp digs its nest in the ground for its eggs and provides the nest with insects as food. It closes the nest opening with a piece of gravel that it carries to. When the egg hatches, the larva feeds on the insects that were supplied with.

And the mosquito lays its eggs on the face of the waters, supplying each egg with a two air bags to allow the egg to remain floating on the waters. Does the mosquito know The Archimedes' Principle?

Bombardier beetles are ground beetles which are most notable for the defence mechanism that gives them their name. When they are disturbed, they eject a hot noxious chemical spray from the tip of their abdomen, with a popping sound. The spray is produced by a reaction between two chemical compounds, hydroquinone and hydrogen peroxide, stored in separate reservoirs in the beetle's abdomen and mixed when needed in a third chamber with water and catalytic enzymes. Heat from the reaction brings the mixture to near the boiling point of water and produces gas that drives the ejection. Have these beetles got any certificate in chemistry from Cambridge University? This is Allah's inherited knowledge for their survival.

The fireflies beetles or lighting bugs attract mosquitoes by bioluminescence and tarp them as food. How did they acquire this knowledge? It is Allah's inherited knowledge for the survival of their species.

What about the insects such as the spiders that build their webs from the silk glands they have? Sometimes, the silk of their webs are invisible and sticky in order to trap their victims and use them as food. This list is endless and all examples prove Allah's Greatness and refute the claims of those who attribute creation to the movement of the matter. This wonderful efficiency and completeness of the creation proves that there is One creator behind all existence. "Thou seest the mountains and thinkest them firmly fixed: but they

shall pass away as the clouds pass away: (such is) the artistry of Allah, who disposes of all things in perfect order: for he is well acquainted with all that ye do." (The Ant 88) Be glorified from what the rejecters say.

There are a number of blessed Qura'nic verses that shoulder the task of proving the existence of Allah, the Exalted, through contemplation and thinking about the plants' world, the fall of waters and the wonders the planets, heavens and earth. The existence of all of these wonders and their control by such strict rules and laws cannot happen without a Controller.

"See ye the seed that ye sow in the ground? Is it ye that cause it to grow, or are We the Cause? Were it Our Will, We could crumble it to dry powder, and ye would be left in wonderment," (The Event 63-65)

"See ye the Fire which ye kindle? Is it ye who grow the tree which feeds the fire, or do We grow it? " (The Event 71-72)

"It is He Who sendeth down rain from the skies: with it We produce vegetation of all kinds: from some We produce green (crops), out of which We produce grain, heaped up (at harvest); out of the date-palm and its sheaths (or spathes) (come) clusters of dates hanging low and near: and (then there are) gardens of grapes, and olives, and pomegranates, each similar (in kind) yet different (in variety): when they begin to bear fruit, feast your eyes with the fruit and the ripeness thereof. Behold! in these things there are signs for people who believe." (The Cattle 99)

"He Who has, made for you the earth like a carpet spread out; has enabled you to go about therein by roads (and channels); and has sent down water from the sky." With it have We produced diverse pairs of plants each separate from the others." (Ta-ha)

"Or, Who has created the heavens and the earth, and Who sends you down rain from the sky? Yea, with it We cause to grow well-planted orchards full of beauty of delight: it is not in your power to cause the growth of the trees in them. (Can there be another) god besides Allah. Nay, they are a people who swerve from justice." (The Ant 60)

Plants are independent world. Specialised researchers have been studying them and each day they discover a new thing that they have not encountered before.

There are approximately half a million species of plants. They are different in structure, ways of mating and life duration. Some plants may live just days or weeks. Others may live a number of years and others may outlive humans.

Generally speaking, a plant grows from a seed with a live germ. The seed remains alive for a long time. Cultivation conditions such as water, suitable temperature and the right soil must be available because each seed requires a certain degree of heat. Air, of course is necessary for all beings.

After the seed is planted and the live germ comes out forming a small root, which feeds on the stored food in the seed until it becomes strong enough to feed from the soil, like the mammal embryo who feeds from his mother when inside the womb, then from her milk, and finally becomes independent in the search of his food. Is there any god other than Allah who throws life in seed?

The initial food supply for the plant is on the primary root. Roots are of different sorts according to the plant's need. There are the stem roots, the aerial ones and the coarse ones. All these roots have been found to be compatible with the possibility that the plant can get its needed provision.

Roots grow with absorptive hairs that absorb nutrients to be sent up through a complicated process and by this way the plant feeds and grows. Light, water, other nutrients and other elements such as Carbon, Oxygen, and sulphur must be available.

A plant breathes through its leaves, so the leaves are its lungs. It takes in Oxygen and discharge Carbon dioxide as a human being and other animals do. Heat arises during the breathing process. However, plant breathing occurs at night and during the day, though the exchange of gases is not visible during the day as it happens faster than the breathing process; so it discharge Oxygen and absorbs Carbon dioxide.

Scientists estimate that the consumption of green plants from Carbon dioxide is around 550 billion tons annually and they require 25 billion tons of Hydrogen to release 400 billion tons of Oxygen.

The Russian scientist, Kostishif (sic), comments in the is regard by saying, "If you stop the green leaves from their work for few years, all living creatures, among them human beings, would disappear from earth.

Joseph Priestly, the English researcher, carried out a simple experiment about this issue. He prepared a tight glass box and placed inside it a mouse and mint plant. He noticed during 8-9 days that the mint was growing well and flourished with new leaves. Moreover, the mouse was still alive, though air was not allowed to enter the box from outside. He concluded from this experiment one result which states the mouse without the mint and the mint without the mouse could not have lived. Each of them depends on the other to stay alive. Experiments stress that the photosynthesis process alone is enough to consume the Carbon dioxide in the atmosphere in the case it was left to it, but the Great Creator has created the living beings with ability to discharge the Carbon dioxide, corpses release it as well and some other interaction.

The consumption and the production of the Carbon dioxide is left to itself but Allah's wisdom had decided that its percentage in the atmosphere is three to four parts in every ten thousand parts of the air. This percentage must remain unchanged all the time for the survival of the earth, and it is fixed regardless to amounts of production and consumption.

Some scientists confirm, if the Oxygen percentage in the air %50 or more instead of %21, all flammable materials in the world may catch fire at the first spark of lighting. And if the percentage decreases to %10 or less, life on earth may have adapted to it throughout centuries but this situation applies to a few elements which were made available to Man such as fire.

Water is the first vital material for all living beings and they cannot survive without it at all. "We made from water every living thing" (The Prophets 30) Water is the main source of life's resources. The Holy Qur'an has encouraged us to contemplate about this great liquid, its necessity and importance. The Qur'an has persuaded people to understand and realise that the water's presence on the earth is evidence about the existence of the Creator who has created all creation. "See ye the water which ye drink? Do ye bring it down (in rain) from the cloud or do We? Were it Our Will, We could make it salt (and unpalatable): then why do ye not give thanks?" (The Event 68-70)

“And among His Signs, He shows you the lightning, by way both of fear and of hope, and He sends down rain from the sky and with it gives life to the earth after it is dead: verily in that are Signs for those who are wise.” (The Roman 24)

Scientists state that seas are the source of the sweet water. Sea water is salty that living land creatures cannot tolerate its use and it is not useful for their survival and, therefore, Allah prepares for His servants and all other beings the purification and distillation processes through the rain, and the rain has become the transporter for the water after being changed from its first salty state to this new sweet one.

“And Allah sends down rain from the skies, and gives therewith life to the earth after its death: verily in this is a Sign for those who listen.” (The Bees 65) Had Allah wanted, it would have remained salty as it were in the seas, bearing in mind that saltiness is as vital for the sea water as the sweet water for us, because, and in spite the fact that seas are very wide and deep and occupy fast part of the earth, they are closed, their waters are stagnant and if the waters were not salty it would have been putrid and become bad over the years. Water, in addition, has a number of other features that are very essential and were they investigated all together, they would have indicated to the design and planning.

Water covers two-third of the earth surface and thus it influences the climate and the degree of temperature. Had water lost some of its features, the earth would have witnessed changes in heat degree that would result in calamities. Water also has a high melting degree and it remains liquid for a long period of time. It evaporates at a high heat degree, and so it helps the heat degree on the earth’s surface to remain at a fixed percentage and maintain it from extreme changes, and without all this, the earth’s fitness for living would have been limited to a large extent, and human enjoyment would have dropped to a large extent.

Water also enjoys other features that are unique in their kind. All of them indicate that the Creator of this universe has designed and planned it to achieve the good for His creatures. Water is the only available material that its density decreases when it freezes, and this feature has its importance for life

because of it ice float on the surface of the water when it becomes icy cold, instead of sinking to the bottom of seas, lakes and rivers, it forms gradually a hard mass that cannot be brought up and melted. The floating ice on the surface of the sea forms a separating layer that preserves the heat temperature of the water below it above freezing, so fish and other sea creatures remain alive, and when spring comes, the ice dissolves quickly.

We can refer to other interesting water features. For example, it enjoys high surface tension that helps plants growth through the transfer of nutrients from the soil. It is better than all liquids where substances dissolve and because of this it plays an important role in the vital activities inside our bodies as an essential compound of the blood.

Water has a high vapour pressure at a wide scale of heat degree, though it remains liquid along this scale that is necessary for life.

Oceans and seas are one of the greatest of Allah's signs and in them there are more creatures than on the land. These creatures differ greatly, starting with those tiny creatures whose number is around ten thousands in the square metre and lastly those huge whales which were supplied by sharp teeth unimaginable strength by which they attack boats and small ships and destroy them. Allah, the Greatest and the Supreme stated the truth when saying, "It is He Who has made the sea subject, that ye may eat thereof flesh that is fresh and tender, and that ye may extract therefrom ornaments to wear; and thou seest the ships therein that plough the waves, that ye may seek (thus) of the bounty of Allah and that ye may be grateful." (The Bee 14)

If we re-contemplate about this blue sky that surrounds us and the spheres and the planets that float in it and to the stars and moons which glitter on its face, we will be struck by surprise, "Again turn thy vision a second time: (thy) vision will come back to thee dull and discomfited, in a state worn out." (The Sovereignty 4)

Quran urges us to think about and look at to conclude from it the great eternal result that all these wonders cannot be found by a random accident or a fake probability or a blind matter.

“Do they see nothing in the government of the heavens and the earth and all that Allah hath created? (Do they not see) that it may well be that their terms is nigh drawing to an end? In what message after this will they then believe?” (The Heights 185)

“Say: "Behold all that is in the heavens and on earth"; but neither Signs nor Warners profit those who believe not.” (Jonah 101)

“Do they not look at the sky above them?- How We have made it and adorned it, and there are no flaws in it?” (Qaf 6)

“ Allah is He Who raised the heavens without any pillars that ye can see.” (The Thunder 2)

“With power and skill did We construct the Firmament: for it is We Who create the vastness of space.” (The winnowing Wind 47)

“ And when they are cast, bound together into a constricted place therein, they will plead for destruction there and then!” (The Criterion-The Standard 13)

There are approximately one hundred billion stars in our galaxy. Some are visible to the naked eye and others can only be seen by big telescopes; others cannot be seen even by telescopes but can be detected by cosmologists. All these are the in the far open space. The possibility of a magnetic field of a star to come close to another is as possibility of the collision of two liners the first one is in the Mediterranean Sea and the second one is in the Indian Ocean and both ships are travelling in the same direction.

Science confirms that the speed of light is 186 thousand miles a second. Some stars emit light which travels to us fast and other stars emit light that travels years before it can be seen by us. What is the vastness of this space?

Did all this vast space appear accidently? And, isn't all of it in need of a controller? Is the blind and the deaf matter capable of creating and organising all this?

“Such is the Creation of Allah. now show Me what is there that others besides Him have created: nay, but the Transgressors are in manifest error.” (Luqman 11)

The earth was created and all that related to it proves that it is suitable for life.

The succession of day and night is made by its rotation around its axis. When it turns around the sun, not only do the four seasons follow each other but the habitable areas on it become bigger and wider also. Plants varieties become abundant as well. Both the rotation around its axis and the turning around the sun are engineered in accordance with a very exact calculation and if this rotation is increased or decreased, the earth becomes uninhabitable.

The earth is surrounded by the atmosphere that has all gases necessary for life. This atmosphere has a layer that extends five hundred kilometres. It does not only prevent millions of meteors that travel at a speed three hundred miles a second from reaching the earth but it blocks out dangerous rays from the sun as well. It also maintains the right temperature on earth for life. It transports water vapour from oceans long distances inside the continents where it is condensed it falls as rain that revives the earth after being dead. Rain is the source of sweet water and without it, the earth would have been barren with no sign of life.

And this layer that surrounds the earth is a strange factory, and it was claimed that it is prepared by the sun beams and the atom particles to protect the earth and make suitable for life. There the particles of the atom interact with themselves and lose power, and the ultraviolet beam is absorbed and little of it that is necessary for life reaches the earth.

Water has important features that maintain life in oceans, seas, lakes and rivers, particularly in areas with long icy climate. Water absorbs huge amount of oxygen at low temperatures. Ice that is formed in lakes and rivers floats on the water surface because of its relative lightness and by this it prepares the opportunity for the continuation of life for the creatures that live in water, and when water freezes, it releases a great amount of heat that helps maintain the life of sea creatures.

As for the land, it is a constant environment for a great number of organisms and beings. The soil contains the necessary nutrients that the plants absorb and transform them to various types of food that both human beings and animals need. A number of minerals are close to the earth surface. They have contributed in the rise of civilisation.

And, if the earth circumference were a quarter of its existing one, it would not have been able to maintain both atmospheres- the water and the gas ones- that surround it and heat temperature would have risen to a deadly level.

But if its circumference were double its existing one, its face would have been doubled, its magnetic power would have become double and the height of its atmosphere would have become lower accordingly, and had the atmospheric pressure risen from one to two kilograms to the square centimetre, it would have affected greatly life on earth. The size of the cold area would have expanded to a large extent and habitable areas would have shrunk greatly, and therefore, human communities would have scattered in vast areas that contact among them would have become difficult to maintain.

And, if the crust of the earth was thicker by few feet than the existing one, the carbon dioxide and the oxygen were both absorbed and plants would have vanished.

And, if the earth distance from the sun was doubled than its existing one, the heat that reaches us from the sun would have decreased to the quarter of its present amount, and the earth journey around the sun would have become longer and the duration of winter season would have been doubled and living creatures would have frozen on earth.

And if the distance between the earth and the sun has decreased to half of the present distance, heat temperature received by the earth would have reached four times than its present one and its tropical speed would have been two-folds of its present one and life on earth would have become unsustainable.

Even the tilting of the earth whose angle is 23 degree was decided for a number of reasons. If the earth was not tilted, both poles would have been in permanent dawns, and water vapour from oceans and seas would move north and south piling on its way continents of ice.

And the same can be said about the scattered mountains on the face of the earth. They are viewed by science as the weights and the pillars that fixed firmly to the earth's crust and if there were no mountains or pillars, the earth might have been swept and flown into the space because the inner of the

earth has been boiling as a boiler and expanding pushing the crust with huge pressure in ever directions.

And thus the position of the earth from the sun, its size and speed in its orbit prepares for Man the causes of life. Does all this happen accidentally?

The soil is a world that is full of wonders and may be the most obvious wonder is those interwoven relations which could have only happened by design and creativity. Let's view the soil to find out how it is produced by erosion forces. I have classified these forces to sections: There is lower the layer that is covered by left masses, and on that, there is soil layer. All previous layers were caused by the processes of breaking and crushing that are caused by erosion forces. The soil has a special importance for us because it is the source of main nutrients that the plants need during their growth. It is also important for holding the plants on the face of the earth. When igneous rocks is exposed to the erosion forces, they lose the bases that are soluble in water gradually such as the Calcium, Magnesium and Potassium and Slocan dioxides, Aluminium and Iron, forming the majority of the soil contents. This process is not accompanied by a huge loss in the amount of phosphorous but it is followed by an increase in the rate of Nitrogen.

The disintegration of the original Silicon elements under the crushing process would lead to the formation of dry clay, and one the main feature of it is its ability to exchange the positive ions and this feature enables it to preserve the soluble bases that are necessary for the plants' growth.

As for the Nitrogen, it is enough to know that lightening is one of its main resources which some people think it is one of the damage tools. But electricity discharge which is caused by lightening leads to the formation of Nitrogen oxides which is brought down by the rain or snow to the soil that plants benefit from. The amount of Nitrogen which the soil gets by this way in the form nitrates is estimated to be five Pounds for each feddan annually and this is equivalent to thirty Pounds of sodium nitrate and this amount is enough for the plant to grow.

It is noticed that the amount of Nitrogen which is made by lightening in tropical areas is more that moderate wet areas and the amount here is more

than in the desert dry areas. So Nitrogen is distributed to various geographical areas unevenly according to the need of the area to it. Who manages all this?

And the wonders which the universe are filled with such as the distribution curves, the water circle in nature, the Carbon dioxide circle, the amazing propagation, the photosynthesis processes which are vital for storing the sun energy and this systematic order for all aspects of the universe. Did all this occur accidentally?

And these particles which have neither fixed forms nor shapes and there are no spaces among them and millions of stars have risen from them with certain ages and ruled by strict principles and laws. Were they found accidentally?

And these known chemical elements whose number has exceeded one hundred did Man notice the degree of similarities and differences among them. Some of them are colourful, others are gases that cannot be liquefied, some are solid that cannot be turned into liquid or gas, but others are fragile while some other are very hard to break, and others are heavy and some other are light, some of them are magnetic and others are not, and some of them are active but others inactive, some are acid; others are bases, some live very long; others stay for very limited time. However, all of them are governed by the same periodic principle.

The difference between the atom of an element and another one is the difference between their protons and neutrons inside the nucleus, and to the number and order of the electrons and their numbers outside the nucleus. Therefore, thousands of various materials, be they elements or compound, are formed from electric particles which are in reality forms or aspects of energy. A the matter is formed from groups of particles and atoms which have protons and neutrons that form the atoms themselves, electricity and energy itself are all governed by specific principles, a small number of atoms of any elements are enough to locate it and uncover its features.

Did all this occur accidentally? Have all the universal principles and laws found from haphazard action of the matter and its random act?

We, after believing with certainty, that this universe with all its contents was found at an old a stage of time and it cannot be from non-existence as non-

existence cannot be its creator. It had to have a creator who had created before it became into existence. The question is: who is this creator, then?

Is it the matter or Allah, the exalted?

Materialist claim in their reply to this question: The matter is eternal and it is there from time of eternity. Refuting this claim scientifically is simple and easy because science has already confirmed clearly that this world cannot be eternal as there is continuous heat transfer from hot bodies to cold ones. The opposite cannot take place automatically i.e. the heat returns back automatically from the cold bodies to the hot ones. In other word, the world is moving in the direction of heat equality; the heat of all bodies become equal and energy source dries up and at that stage there will be no chemical or natural activities and no trace to life itself in this universe. But because life is still there and chemical and natural activities continue in their way, we can conclude that this universe cannot be eternal because if that was the case, its energy would have been consumed a long time ago and all activities would have stopped.

At present, a number of various methods whose precision is different are used for the estimation of the earth's age. The results of these methods are close to each other to a great extent. All state that the universe came onto existence five billion years before. And this confirms that it is not eternal because if it was eternal no radioactive elements would have remained and this view is approved by the second law of thermal dynamics.

As for the second opinion which states that this universe is periodic which means it shrinks and extends regularly is an invalid claim that scientists could not prove and, therefore cannot be considered a scientific view. Scientific view and the thermal dynamics and cosmological and geological evidence support the sentence which states that "Allah has created at the beginning heavens and the earth."

The blazing sun and the glowing stars and the rich earth with the various organisms are clear evidence that the origin of the universe is related to a time that has started at certain moment and, therefore, it is an event as any other.

Chemistry indicates that some materials are on their way to vanish or die at great speed; while others at slower speed and so the matter has a start and it also mean that it is not eternal as it has a beginning. Proofs from chemistry and other sciences show that the existence of the matter had not been gradual but it was found unexpectedly. Sciences can identify to us the time these matters came into being and, therefore, the materialistic world had to be created and since its creation it has been under strict universal principles and laws so there is place for accident.

A century ago, Dmitri Mendeleev, the Russian scientist, formulated the Periodic Law, created his own version of the periodic table of elements according to their weights. He found that the elements that are in the same row make one group and enjoy similar properties. Can this be attributed to the accident?!! Mendeleev's discovery cannot be labelled as "accidental periodic" but it is called the periodic law.

Can we attribute the scientists' findings and their description of the interaction of the atoms of element (A) with atoms of element (B) and not the element of (C) to the accident?

NO, they have explained this on the basis that there is a kind of inclination or attraction between all the atoms of element (A) and all the atoms of element (B) but this attraction does not exist between the atoms of element (A) and the atoms of element (C).

Scientists have known that the speed interaction among the atoms of the alkali metals and water increases in accordance with their atom weight; while the elements of the halogen group behave differently and no one is aware of the reason, but no one has attributed this to the mere "accident", or believes they may change their behaviour after a month or two or according to the place and time or may cross his mind that these atoms may not interact in the same way or interact at random.

The discovery of the atom structure has confirmed that the chemical interaction and the properties we witness are ruled by strict principles and not to a mere blind accident.

To take a clear view about the weeny size of the atom, we have to imagine that if ten million atoms of Hydrogen accumulated together in one row, their length would not be one millimetre.

And, if you were thirsty and drank a litre of water, the number of the atoms in that quantity is equivalent to the number of all the sand grains on earth, including the oceans and seas bottoms.

And, despite this tininess of the atom, it is an independent world whose construction is made from very minute stones i.e. tinier than the atom itself.

The atom is formed from a nucleus which is built from tinier stones, some of them are protons and the others neutrons, and turning from a distance around them are the electrons.

And within this magnificent structure, scientists found out a number of minute bodies whose number have reached thirty so far and among them the protons, neutrons and the electrons.

Scientists have estimated the number of turnings of the electron around its nucleus about seven thousand million in a second.

There is intimacy and attraction between some atoms but there is hatred and disunion among some others. What brings the atoms together and what unites or separates them is in fact the atom law itself or the law of the of the external electrons which is stricter and more splendid than the laws of human marriage and divorce.

The table salt which we consume is originated from two united atoms and without this unity each of them is wicked and damaging because Chloride is a poisonous gas and if it is inhaled, it will kill and the sodium is a soft material and if it touches water, it would cause fire. Their unity has changed them to a safe material; it is neither poisonous nor causing fire. The same is true of the atoms that have formed water.

And, if the Islamic law has allowed us to marry one or two three or four women, the same is applicable to the law of atoms. If Chloride unites with an atom of sodium it gives us the salt, and if Oxygen unites with two atoms of Hydrogen gives us water, and if Nitrogen is united with three atoms of

Hydrogen, the result is Ammonia, and when Carbon is united with four atoms of Hydrogen, the result is Methane gas. However, some atoms of some elements prefer to be single such as the Neon and Radon gases!

And, if we move from talking about atom world relation to the particles one, the estimate of the number of the particles resulting from this union of the particles of the elements in our world is a very big number, exceeding trillions.

As an example on this, we mention here that the union of the Carbon, Oxygen and Hydrogen would give us more than a million chemical compounds and each has its own atom organisation.

Some scientists estimate the various types of proteins in human body is around tens of thousands of models if not one hundred thousands, and the protein here is formed from Carbon, Hydrogen, Oxygen and Nitrogen and may or may not contain sulphur.

And, thus the particles of life uncover themselves, and in this way they turn, move and unite. The turning, the unity and the separation are all done with certain known measure and destined steps and there is neither unpreparedness nor confusion but under strict principles and laws.

To clarify this stringent legality in the system of nature, below we list the summary of a dialogue between the biologist, Haman, and a doctor:

D: What causes the blood redness?

Haman: There are cells in the blood. The size of each cell is $1/700$ of the inch.

D: Why are these cells red?

Haman: The cells contain a material called Haemoglobin which causes the redness when it is mixed with Oxygen in the heart

D: where do these cells that carry the Haemoglobin come from?

Haman: They are made in the liver.

D: How all these things - the blood, the cells and the Oxygen unite perfectly together and perform the duty in perfect and orderly way?

Haman: This is the law of nature.

D: What is meant by the law of nature?

Haman: It is the internal movements for the nature and chemical forces.

D: Why do these forces yield a known result that becomes a law?

Haman: My science is about what happens. But the question why it happens, I cannot answer!

Does an intellectual person with full mental faculties imagine or believe that the matter which has neither intellect nor wisdom has created itself by itself accidentally?! Or it is behind this system and the laws and it has applied them on itself? Certainly, the answer is no. When matter changes into energy or energy to matter, all this is done according to laws and principles that govern the matter, and the newly formed matter from the energy is controlled by the same principles and laws.

And, if this materialistic world is powerless to create itself or identify the laws that control it, certainly the creation has been done by a being that is non-materialistic.

The study of heat supports these views and has helped us to differentiate the easily obtained energy and the uneasily obtainable one. It was found that when any thermal changes take place, some of the easily obtained energy turns to the other type. This is the second law of the thermal dynamics.

And, because the matter is created and not eternal, as we have stated earlier, then it must have been created because the thing cannot create itself or create itself from itself. This is intellectually impossible.

So, Allah, the Exalted, is undoubtedly the creator of the matter.

If we contemplate at what is called "the progress of the matter" and thought about the possibility of it through the way of accident, we would have found that the accident as a reason for the creation and finding the living organisms and beings cannot be accepted by the intellect nor can it establish a reality on it.

"The naturalist Dr Nublotchy (sic) states that he could not imagine that accident alone could explain to us the rise of electrons, the protons or the first

atoms or amino acids or the protoplasm or the first seed or the first intellect. I do believe in the existence of God because his sacred existence is the only logical explanation for all aspects of the universe that surrounds us.”

The study of the accident and probability theory has greatly advanced mathematically and we are able to predict mathematically the occurrence of some events which we claim they happen by accident and which their rise cannot be explained by a different way. We have, and by virtue of these studies, been able to differentiate between what may happen by accident and what cannot happen by this way. Let us now view the role the accident can play in establishing life.

Proteins are from the main compounds in all living cells and they are formed from five elements: Carbon, Hydrogen, Nitrogen, Oxygen and Sulphur. The number of the atoms in each molecule of the protein is forty thousand atoms. As the number of the chemical elements in nature has exceeded one hundred and they have been distributed randomly, the possibility of the unity of these five elements in order to formulate one molecule of the molecules of the protein can be calculated to know the amount of the matter that has to be mixed continually to formulate this molecule, and then the required period for this unity among the molecules of the same atom.

The Swiss mathematician, Tcharles Eugene (sic) when he has calculated all these factors, he concluded that the possibility of the formation of the protein molecule accidentally is at the rate of “1” to the number “10” multiplied by itself 160 times. It is a number that cannot be said or to be put in writing. The amount of the matter required for the interaction to happen accidentally to produce one molecule is bigger by millions times than this universe can accommodate, and the formulation of this molecule on earth alone accidentally requires trillions of years which the Swiss scientist estimated to be number “10” multiplied by itself “234” times in years.

And, if we ignore all that and try to formulate the molecule of the haemoglobin which causes the blood redness- and which is considered by scientists one of the simplest proteins in structure- we will find that it consists of more than “600” of Carbon atoms united with more than “100” atoms of Hydrogen and with more than “200” Nitrogen atoms and equally of the Oxygen. And the

human body has 250 trillion red blood cells i.e. the number "25" followed by "18" zeroes, and more than three million cells are made in the body every second.

Dr Bohler, the chemical scientist, claims that if the law of accident wants to be applied to know the possibility of the occurrence of an event in nature such as the formulation of one molecule of the protein molecules from the elements that make it, we will find that the earth age which is estimated to be three billion years or more cannot be considered enough for the occurrence of this event- the formulation of this molecule accidentally.

Proteins are, in fact, no more than mere lifeless chemical materials and only become alive when that secret which we never know its essence runs in it.

The main materials that enter in the building of living organism are Hydrogen, Oxygen and Carbon with small amounts of Nitrogen and other elements. Millions of these atoms have to unite for the formulation of the simplest form of the living organism. If we look at other kinds which are bigger in sizes and more complicated, the possibility of the union of their atoms by chance drops down to a level not only cannot be imagined by the intellect but it will be rejected by it and any explanation under it.

In clarification of this, Chrissy Morrison (sic), Head of the Sciences Academy in New York says, "You have a bag with one hundred pieces small marbles; ninety-nine of them are black and one is white. Now shake the bag and pick up one marble. The probability of picking up the white piece is one to one hundred. Repeat the operation and try to pick up the white piece. The probability of picking up the white one from the bag is still one to one hundred. However, the chance to pick up the white one twice successively is one to ten thousand.

Now, try for the third time. The chance to pick up the white one three times successively is one to a million.

And, try this once or twice further, the probability numbers of picking up the white piece successively are unimaginable."

The aim of this example is to clarify to the reader in a clear scientific way the narrow chances in which life may start on earth, and to prove by actual

evidence that all real life requirements could not have been probable to be on one planet accidentally.

If we look deeply at the world of matter- from the atoms which are very minute to the galaxies which are formidable, we realise that everything runs and managed according to very strict calculations, principles and laws.

Even the electron does not move from its orbit to another orbit in the nucleus sphere only when it takes or gives energy equivalent to its transfer as if it was a passenger who could not travel free of charge.

The birth and the death of the stars have reasons and laws.

The movement of the planets is done according to equations.

The transformation of the matter to energy is done under an equation and the change of the body of the sun to light is also occurs according to an equation.

The light moves under an equation, and every wave has a vibration and speed.

Every metal has a spectre and definite absorption lines.

And every metal extends by heat and shrinks by cooling by a certain amount, and every metal has a mass, density, and atom and particle weight and fixed features.

Einstein has proved that there is a relation between the body mass and its speech, and between time and system of movement with a moving group, and between time and space.

Electricity is produced under certain laws. Even earthquakes which seem as a state of confusion have systems, belts and lines that occur within, and they have a role in replacing mountains to their positions after sliding.

The entire universe becomes as a table of clear principled rules that have neither fallacy nor cheating.

The earth size, its distance from the sun, the sun's temperature and its rays that stimulate life, the thickness of the earth crust, the amount of water, the level of Carbon dioxide, the size of Nitrogen, the rise of Man and remaining alive, all these confirm that the system is not under confusion and disorder but

is tuned and aimed for life. They also prove, and according to the maths rules that all this could not have happened by chance simultaneously on one planet as such chance is one to a billion!

Despite of all this, it was claimed before one billion years there was nothing in the universe except the matter which had occupied every part of the universe in the form of basic atoms- electrons and protons, and that matter was completely balanced and still. The balance was so delicate that any disturbance whatsoever to it was enough to disperse it forever. Such disturbance, if it happens, would certainly continue, expand and scatter, and it was claimed that this slight disturbance happened in the still matter, and there was no choice but to expand to cover the whole universe.

However, when the materialists face the question after series of hypotheses: what had caused the first slight disturbance in the still matter? Their answer is that we have no clue, though that all certainly happened!! As result, the matter begins to shrink and gather at different spots in this open space. The shrunk and the gathered matter are called stars, planets and galaxies.

They claim, in avoidance of embarrassment, that they find no harm for the chance to be the cause of the movement. However, they could not answer the unsolved issue which they always face:

Where had this chance which had moved the universe and awakened the matter come from- if there was nothing else?, bearing in mind that there were no inevitable causes neither from inside nor outside the matter for that chance to happen. Otherwise, it would have happened before or it would have associated with the matter from the first day of its existence.

Strangely enough, when science concludes conclusively, while studying the universe and life, that there must be an event that precedes the one that follows in order to base the last one on the one before it- causality, the materialists' explanation for the existence of the universe and the development of its aspects is that it had occurred without precedence- no cause. This means this explanation is hypothetical that is based on another hypothesis or a series of hypotheses that are not proved or supported by science.

And if the universe existence is associated with the occurrence of some events by chance, how can we explain that all events move in certain directions? Is it not possible for a regress event, contrary to what had taken place? Is it not possible that stars collide with each other and disintegrate?

And, after the occurrence of the movement in the matter, was it not possible to stay at a random movement rather than a constructive and progressing one?

What is that logic that made the planets and stars move in this systematic manner in this limitless space?

What is the logic that caused the birth of a living organism from a lifeless matter?

Is there anyone who can give us a sensible explanation to clarify to us how life had begun on earth?

What is the logic that made available in a small spatial space all these crucial things for our life, culture and civilisation?

And, what is that logic that works to maintain all these circumstances in our favour? And their continuation for millions of years without the slightest change contrary to the Man's favour?

And, how one chance in once upon a time to exercise the laws of causes and reasons at once and identify the rules of the whole universe in one go?

The materialists who believed in "the accidental world" have given us the example which we list below:

"If letters of alphabet have been mixed and rearranged randomly hundreds of times, thousands of times and millions of times throughout time which cannot be counted by years or centuries, these arrangements at one time may form a rhyming poem, then there would be no explanation for the formation of the poem other than the chance, so the same is applicable to the material universe which is exposed to all possible chances which can be thought of. Therefore, the intellect does not reject, according to their claim, that an accident may produce such a system in the both the inanimate and live worlds.

To debate what they have claimed, let's investigate the example which they have mentioned to find out the following hypotheses:

1-The suitable and complete letters which are required for the building up of the poem are there.

2- There is a force behind the arrangement.

3-The force continues arranging the letters without stop.

4-The force has full understanding that the arrangement would cease when the poem is formed.

In every of these hypotheses, there is evidence of imperfection of this claim.

To debate the first hypothesis, we enquire: How did the letters come into existence in order to have them arranged, and how could the matter of various disintegrated parts give this result? How did the disintegrated parts come together to yield something sensible?

As for the second, we inquire by asking about the force which carries out the letters arrangement? And, is it logically acceptable that the letters themselves are the source of this force that it moves automatically?

As for the third hypothesis, we enquire by asking: Even with the hypothesis that there is a force among the letters, how does this force continue arranging taking all probabilities and does not stop during the process? Does it have the necessary awareness to continue the process of arrangement, realising its necessity?

As for the fourth, we have to ask: How do we assume that on the conclusion of the poem, the arrangement process must stop? And why does not the force continue the arrangement process after the conclusion of the poem to be affected by the imperfection and the spread of confusion before it is arranged again and again? And which force that has controlled that movement at this stage?

"It is Allah Who sustains the heavens and the earth, lest they cease (to function): and if they should fail, there is none - not one - can sustain them

thereafter: Verily He is Most Forbearing, Oft-Forgiving.” (TheAngels. Originator 41)

This investigation proves to us clearly that what has been basically proposed for this doubt cannot be supported by any logic and its correctness is rejected by the intellect, and all the aforementioned hypotheses confirm the necessity of the existence of intelligent mortal and eternal force that had created the universe and the rules that govern its affairs without confusion or disorder or chance.

In order to clarify the imperfection of the claim of the” chance”, we comment by saying, “the rise of life in the inanimate matter, requires from the intellect to investigate these two probabilities:

1-Either life is a feature of the matter and is associated with it and in this case it does not require a creator.

2-Or it is of a managing creator.

If we agree that life is a feature of the matter, in this case we have to accept that the matter is mortal and eternal and is unlimited, and it is there since eternity with all its features and these features are associated with it regardless to its position in space.

It is, therefore, meaningless that life appears on a certain planet at a certain time rather than on other planets as well. It is also meaningless for all life features without work or trace for millions of years and appears at a time which can be estimated either by hundreds or thousands of years. Why did the rise of life postpone all those years which cannot be counted or measured with the presence of the features since the time of eternity?

And if life is eternal because it is of the “matter’s” features according to the hypothesis then did it appear accidentally and last? And where was it all these far years in order to appear accidentally without any purpose or will?

And, on this, we have to consider the second probability which states that the rise of life in the inanimate “matter” is the action of an Eternal Creator Who knows what He had wanted and chosen for it the time and the place, and

created this universe and all its contents at the time and the place Whose wisdom has decided upon.

There remains an issue in this investigation before I conclude it and it is: How life had started on earth? It is possible that it has originated from the sun?

And to answer this question, we have to ask first: What is life? Is it something with a size or a "matter" that has a weight? Or is it a mixture of both?

Life is the sign that appears in the living cell which cannot be seen by the big microscopes. This the very minute spot contains a sticky material called "protoplasm", and the sign of life in it is that it moves and absorbs the Carbon dioxide from air in the presence of the sun and isolates the Hydrogen from water and makes some chemical elements which it feeds and grows on.

Scientist have tried thousands of time to prepare the living protoplasm by every possible methods and under different circumstances but their efforts came to no avail, and their belief that there is a creator for this cell has increased and creation cannot create themselves.

And this living cell is the essence of life. It propagates and produces organisms. Had the first cell been created or found accidentally?

A number of theories were proposed for the explanation the way life had begun from the inanimate worlds. Some writers claimed that life has started from the proto-gene or from a virus or from the accumulation of some large protein molecules. Some people may think that those theories have redeemed the gap between the living and the inanimate worlds. But the reality we have to face is that all efforts that have been made to obtain a living organism from an inanimate matter have ended in failure, and in spite of this, those who deny the existence of God have not been able to convince the intelligent scientist with any evidence that the mere accumulation of some molecules and atoms accidentally may lead to the rise of life, its maintenance and its direction in the way we have witnessed in the living cells because each living cell is so complicated that it is hard for us to understand. Millions and millions of living organisms on the face of the earth bear witness about the Allah's Greatness, an attestation that is based on the logic, intellect with intellectual clarity.

The Marxist writer, Karozina (sic) acknowledges that, "the theory of evolution has neither shed light on the way life appeared on earth nor on the method the basic pictures of life i.e. the living protein had formulated. The most intellectual brains have been working relentlessly in order to understand and explain this issue. Modern science provides us from many different fields of biology, chemistry, organic sciences and cosmology and the impact of high temperatures on various materials and such information may allow us to imagine this process."³

So, even the most intellectual people have only to "imagine" and image only.

The scientific explanation which states life is a chemical activity is not enough because both the living and the dead bodies both share the same chemical materials, and the ground contains the same amounts of iron, copper and carbon.

And the claim that testosterone stimulates sexual desire does not explain to us the desire itself because we would ask, "what is the activity that has formulated the testosterone in the body?"

And, by the same token, when we are told by the botanist that the turning of the sunflower towards the sun is organised by the circadian clock, the problem has not been resolved but we will ask, "what is the activity that prepared this endogenous rhythm and control it in the plant's tissue?"

The chemical structure of the cell does not expose the secret of its life because life is not an inanimate system as a house or a factory, but a living system that has the ability to replicate itself and it has innately directed- the innate knowledge is in its tissue and replaces what is damaged.

And, thus the riddle which requires an answer is in the insight hidden in the folds of the "matter" but not in the structure of the "matter."

Modern science states that our earth had been part of the sun and it had separated from it. Certainly was its temperature the same as the sun- and let's assume its temperature was as the sun's temperature now in spite of the passing of thousands of years that work to decrease it- the temperature of the

³- Mabadi' Ulmil Biologia, P.423

earth surface then was six thousands centigrade, but the temperature of its interior was forty millions degrees. And, when the gases which had separated from the sun to form the earth started to cool down slowly, forming the face of the earth, and water was formed and as soon as it came into contact with earth's crust turned into vapour of a very high temperature and on the way, the vapour would come into contact with a very low temperature and it would come back to the earth in the form of destructive deluge, but with gradual cooling and the decrease of temperature, water settled down, seas were formed and later the mountains.

And, on the assumption that these hypotheses about the way the earth came into existence are correct, we think about the living cell which it may be claimed that it had come down with the earth from the sun, then how could a living cell have remained alive at a temperature of six thousands degrees, regardless how well it had been sealed and protected.

The temperature of Man who is considered the most superior living being is 37 Celsius degrees; only when he falls sick the degree may reach or exceed forty. And if water evaporates at one hundred Celsius degrees, a degree of one thousand can turn any hard material to gases, so what about a degree of six thousands?

Both science and intellect agree about the impossibility of the rise of life from a cell that had come down from the sun, and the living being would have been created after its formation. How beautiful the Ghostaph Bone's (sic) comment is when saying. "To create the living matter!! How can this be possible when we think how many accumulative features and inheritance and the complicated future are in the piece of the living protoplasm?"

And, we return back, after all the previous clarification, to the main question of the investigation,

This first being which no life has preceded its existence, where did it come from and from which it has developed? No life preceded it.

Had it come from non-existence?

Had it been created from an inanimate matter?

And how the living could be created from the dead, and how existence could come from non-existence?

Questions that have got no answers and sciences have got no answers except assumptions and hypotheses.

Someone may assume that the first being had been dropped to us from heavens with the shooting stars and meteors from far populated planets.

This assumption will take us back to the same question. Where had these organisms come from on those far planets?

A scientist claims that life had formulated from the dead matter as a result of unique arrangement of their atoms and his proof is that the living matter has the same elements of the inanimate materials that we see in rocks, waters and mud. The same atoms: the Carbon, the Hydrogen, the Oxygen and the Nitrogen and their structure was rebuilt according to unique percentages and relations to produce the amino acids, proteins, starches and sugars which we find in the living organisms. His assumption is not enough for him but he carries an exciting test where he produces an electric spark and ultraviolet rays in a mixture of ammonia gases, carbon dioxide, methane and vapour and then collect the test result and there is a trace of amino acids in it!

The amino acids are considered the main brick which the living organism is made from. From their mixture a protein is formed and they mix million and millions of times as when the letters of an alphabet mix to produce an endless number of sentences and phrases and meanings. The produced proteins are extra sensitive materials to heat and cool temperatures, light and electricity, so they dissolve and restructure for the slightest internal effect. They possess the essential life feature: their response to the environment and their reaction to its influences.

Conditions have been suitable for the repetition of such experiment and the formation of the unique compounds which are named amino acids. They dissolved in water as soon as they were formed and remix among themselves to produce millions of probabilities of protein materials. These acids had to meet those amino once in the unique way to form the DNA molecule which the virus is made from.

These are a collection of hypotheses and one is connected to the other.

Those scientists claim that the law of chance supports them. The typist who strikes the typewriter keys nonstop for very long periods of time may come out accidentally with a poem to Shakespeare! Does not he have unlimited and millions of chances in front of him?

What the scientists require is that amino acids come together, formulating the unique DNA, and the unique matter will take responsibility of it and propagate by its own system, producing the preliminary seeds of life (DNA).

The DNA starts propagating itself by producing millions of replicas.

However, all this is not life which we see.

Then we have to return and assume the details of this protein came back by chance to formulate the protein.

And, the protein accidentally formulated itself in the form of a cell.

Then we come and state that of one cell had accidentally chosen the botanical form and another also by chance the zoological form and so on.

Then we climb the tree of life step by step with this golden key the "chance" at our disposal and whenever we face a dilemma we solve it by attributing it to it.

Is this sensible?

We recognise birds and emigrant fish to their homelands which are thousands of miles away accidentally. By chance, the chick cracks the egg shell from the softest spot to come out.

Accidentally, wounds heal themselves and sew themselves by themselves without a surgeon.

By chance sunflower realises the sun is the source for its life and follows its light. By chance, the desert plants produce winged seeds to immigrate to suitable planting places.

Accidentally did the virus find its horrid method to control the cell and destroy its life from within. By chance, the plants found the chlorophyll and use it for life energy.

By chance a mosquito lays its eggs in the form of a raft or a canoe to keep them floating on water and be safe.

The ant accidentally stings the worm with poison in its nerve system to kill it and keep as food for larvae.

The bee which established a society and a system and practised the art of building and specialised in complex chemical operations changes the nectar to honey. Does a bee do all this work accidentally?

And, the colourful insects that discovered the use their colour as make-up to disguise them.

And the Bombardier beetles which eject a hot noxious chemical spray from the top of their abdomen, with a popping sound when they are disturbed. All this is done accidentally?

How can we believe that all these happenings happen accidently? It is simplicity in itself to make such a statement.

The materialist thinker found himself in a critical situation in the face of this simplicity and tried to avoid the term "by chance or accidentally" to propose another assumption and accordingly said that all this wonderful life with its colours and species initiated from a state of necessity as the necessity that pushes you for food at the hour of hunger. The necessity, then, got complicated with the complication of the environments, conditions and the needs and so, all these colours were found!

This is a mere misuse of words. In place of "accident or chance" the term "the complication of necessity" was employed, and it is in their view gets automatically complicated and grows automatically.

How does a single event grow and develop to a well interwoven story without a writer or an author?

And, who has established the "necessity" in the first place? And how the necessity arises from the no-necessity?

It is a desperate struggle in order to avoid an innate reality that imposes itself on all this forcibly: There is a managing creator. So, why is this naughtiness?

Why do we seek the impossible to escape the obvious truth which the innate knowledge and spontaneous knowledge call for? And, if we reject the spontaneous knowledge, what is left from our intellect which has been based on logical system of spontaneous knowledge?

There is no other meaning for this except that we destroy our intellect and its achievements whence we claim that we are sensible, scientifically seeking the scientific objectivity in everything?

Dr Kongen (sic) comment by saying, "What ever in this universe asserts the existence of Allah, the Exalted, the Glorified and asserts His ability and greatness, and when we the scientists analyse and study the phenomena of this universe, even by using the reasoning method, we are doing no more than observing the traces of Allah's hands and greatness- He is Allah Who we cannot prove by the scientific materialistic methods, but we witness His signs in ourselves and in every atom of this universe. Sciences are but the study of Allah's Creation and the traces of His Greatness.

"Such is Allah, your Lord, the Creator of all things, there is no god but He: Then how ye are deluded away from the Truth!" (The Believer, The Forgiver God 62)

"It is He Who made the sun to be a shining glory and the moon to be a light (of beauty), and measured out stages for her; that ye might know the number of years and the count (of time). Nowise did Allah create this but in truth and righteousness. (Thus) doth He explain His Signs in detail, for those who understand." (Jonah 5)

"It is Allah Who hath created the heavens and the earth and sendeth down rain from the skies, and with it bringeth out fruits wherewith to feed you; it is He Who hath made the ships subject to you, that they may sail through the sea by His command; and the rivers (also) hath He made subject to you." (Abraham 32)

"...Is it not His to create and to govern? Blessed be Allah, the Cherisher and Sustainer of the worlds!" (The Height-Wind 54)

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