

Research Paper on the Universe

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Abstract:- Quantum Physicists have always engaged themselves to unveil the mysterious of the universe. Some mysteries are ever lasting and too difficult to solve. Behind these questions lie the answers which shows the reality and defy the appearance. These answers tell us the continuous cycle of the universe. This research paper has new answers to the old question which are likely to exist in the universe.

I. INTRODUCTION

This research paper tries to give the answers to the immortal questions. This research paper unfolds, what are the possibilities of life in the universe. It unfolds the possibilities of the structures of the Universe, the prediction of life on other planets by observing the phenomena on our own planet and uniform law which prevails anywhere.

II. THE POSSIBILITIES OF LIFE

In terms of universe, humans may be considered very minute. In the similar way bacteria present in our stomach is also regarded as a minute organism. For bacteria and us it is very difficult to go to lungs and some other universe or dimension respectively. For the bacteria, its universe will be our stomach. It may make an assumption that other dimension too would have the same structure, but, in reality it is not the case. After the stomach comes our liver which is quite different in terms of its structure, function and composition. For that bacteria it is nearly impossible to go all the way from the stomach to the liver. Same is the case with humans. How far can we actually can our race go in the universe. Going to the other dimension can be a whole new concept of science, in which, even the composition and structure of basic fundamental atom could differ. We are like a bacteria in this whole universe. Human's one year in the calendar may be regarded as a minute of the universe. Think about the other dimensions based upon different laws of motion. On Earth, we believe that every action has an equal and opposite reaction. Two bodies when collide with equal forces are said to move apart in opposite directions. What if in the other dimension, when the two bodies collide, with equal force, their forces cancel out each other and the bodies come to rest. Imagine the organisms which have been formed under the heat and light of some heavenly body considering these laws of motion. On Earth itself we find such a wide variety of life even with the same laws of motion. There is even a possibility of volcano based life under deep oceans. The life there would have been living upon the acidic gases like sulphur dioxide, nitrogen dioxide etc.

III. STRUCTURE OF THE UNIVERSE (PART ONE):-

For a life to exist in any form, it is important for it to attain energy in some form or the other, from some body. If we consider this very strictly and imagine a universe based on the same structure, as our milky way galaxy is based on, it would be very easy to make assumptions. As we know that planets revolve around the sun, we may take that our galaxy is also revolving along other galaxies around some heavenly body in our dimension. Similarly, our dimension may be revolving around along with other dimensions around that supreme body which once loses energy and gets collapsed to form a black hole, may take the universe in it. Big bang theory states that our universe will be at one time end and later be formed again, but, in this structure of universe it will not happen. As the heavenly body gets inside the blackhole, its protons, neutrons will set apart and simultaneously a new universe will be formed on the other side of the black hole. The life there would be appreciably different. We may imagine a life freely floating in the universe. If we consider this structure and imagine a universe which already entered the blackhole, we may say that presently we are on the other side of the blackhole.

IV. STRUCTURE OF THE UNIVERSE (PART TWO)

The scientists have often pondered upon the question, that why has the universe come into existence, why are we here and what role do we play in this endless space. The answer to the question may come from the Vedas which says that we may be constituting some living body itself. This can also be the second possibility regarding the structure of our universe. If we analyse the present situation on earth, we see that a cell in our body is itself not aware that what role does it actually play in our body. The cell just gains nutrition and aims to live, but is ignorant of the fact that the functions performed by it to live actually helps a living body to live, about which the cell is actually unaware of. If we compare our life in the universe to the cells in our body, we may say that our galaxy constitutes some living body's red blood cell which has specific life span. That specific life span may be 120 million years for us but, for the universe it may just be a time period of 120 days. Without life, the universe seems meaningless to us, that is why we find various heavenly bodies which emit energy giving rise to life in galaxies. Those galaxies may act as cells and give rise to an ultimate living body about which the galaxies are themselves ignorant of.

V. LIGHT AND PREDICTION OF LIFE

Have we ever pondered upon the question that what effect does the type of light, entering our planet, has on the evolution of life and the answer to the question can actually lead to the prediction of life on other planets. The atmosphere of our planet earth allows only the visible light, VIBGYOR, to enter our planet. Since the evolution has taken place on earth, we are only able to perceive the white light and no X-Rays or Gamma Rays. If we apply this basic formula and know about the type of light entering a particular planet then we may also know about the type of life evolved in the planet. Imagine a planet whose atmosphere only allows the X-Rays to enter the planet, the aliens evolved there would only be able to perceive the X-Rays. The aliens born there would be able to see our skeleton since they are able to perceive X-Rays which are able to penetrate and reach the human skeleton and get reflected back. The humans would only be able to observe the outer surface of the alien. Since our evolution has taken place under the visible radiation and since the evolution, the creatures on earth have only be able to perceive the white light.

VI. GRAVITY-A UNIVERSAL CONCEPT?

The scientists have often tried to find a uniform law on which the universe runs. Gravity (blackhole) may be one concept which is common to the whole universe which results in the alteration of the universe, just as the food chain existing on the earth, which results in the alteration of life into organic matter and vice – versa. The existence of gravity in the whole universe is evident from our galaxy itself. The question arises that it is our galaxy which possesses gravity, how can we judge that gravity exists in the other dimension. In our solar system, in the sun, continuous nuclear fissions and fusions are taking place and new particles are being created. Every new particle created, much different from the particles (atoms, neutrons or electrons) on Earth, possesses gravity because of which Earth moves around the Sun in an elliptical orbit. Thus we say, that every particle, even very different from atoms, combines to form a mass which possesses gravity. This means that new dimensions formed on the other side of the blackhole, all possess gravity. This can be one evidence for the presence of gravity. The second evidence can be received from the existence of life. Without gravity, the existence of life seems impossible and as said earlier, without the existence of life the universe seems to be meaningless. Without gravity, the planets may not come in the contact with energy emitting bodies like the Sun for long and the formation of life would be treacherous.

VII. CONCLUSION

This research paper, in the best way, is likely to provide suitable answers relating to the structure, function and prediction of life and universe itself. The thoughts are very much original, extrapolated with proper observations. It contains the concepts which are likely to exist in the Universe. I hope these theories act as stepping stones towards to unravel the secrets of the Universe.

REFERENCES

- [1]. Stephen Hawking – A Brief History of Time. Published in 1988.
- [2]. The Indian Vedas.
- [3]. Class 12 NCERT Book. Published in 2012. Prescribed by Central Board of Secondary Education, India.