

Future Human Evolution

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Abstract: *This paper consider how human being are going to evolve in future with the help of brain which help the human being to maintain their existence in this world because the efficiency of human beings has been reducing slowly but surely due to which it becoming difficult for human being to survive and due to this our body is going to evolve and the changes that happen in human body are increase in size of skull, decrease in focus of eye sight ,increase in radius of eye and shrinking of hand and legs and probably we developed sixth sense.*

Keywords: evolution, efficiency, brain, eye, existence

1. Introduction

All the living organisms in this world struggle with nature in order to maintain its existence in the world or in simple words all the organisms in this earth evolve w.r.t the condition available in the surrounding in order to complete their efficiency nearly equal to 100%. We humans are also a participants of this race and we are also fighting with our nature to maintain our existence in this world and trying to increase our efficiency but this is not the first time we are participating in this race, we humans are participating at the time when our existence came in this world & our body is gradually evolving according to the condition available in our surrounding to increase our efficiency.

This evolution was first explained by Charles Darwin and according to him.

“Evolution is a process by which organisms change over time in order to change in heritage physical or behaviour trails”

The basic conclusions of Charles Darwin are as follows:

1] Darwin's Theory of Evolution - Natural Selection As in a tradition of old philosophy Charles Darwin brought something new i.e. a plausible mechanism called "natural selection." Natural selection acts to preserve and accumulate minor advantageous genetic mutations. Let us assume a member of a certain species developed a functional advantage (it learn how to fly by growing wings). Its offspring would inherit that advantage and pass this evolution on to their offspring. The lucky (disadvantaged) members of the same species would gradually die out, leaving only the superior (advantaged) members of the species. Natural selection is the preservation of a functional advantage that enables a species to compete better in nature. Natural selection is the natural process only nature decides who inherit these special changes. Over the centuries, human breeders have produced dramatic changes in domestic animal populations by selecting individuals to breed. Breeders eliminate undesirable traits gradually over time. Similarly, natural selection eliminates inferior species gradually over time.

2] Darwin's Theory of Evolution - Slowly But Surely. Darwin's Theory of Evolution is a slow gradual process.

Darwin wrote, "...Natural selection acts only by taking advantage of slight successive variations; we never take a great leap, but must advance by slow but sure, though slow steps." Thus, Darwin conceded that, "If it could be demonstrated that any complex organ existed, which could not possibly have been formed by numerous, successive, slight modifications, my theory would absolutely break down." Such an organism with complex features would be known as an "irreducibly complex system". An irreducibly complex system is one consists of multiple parts. If even one part is missing, the entire system will fail to function. That's why every part is important.

Hence the Darwin theory concludes that the process evolution is a natural selection process and it happens slowly but surely.

Now this arise the following question

1) Why this evolution important and why all this happen?
2) We humans being are going to be further evolve? If yes than what are the changes we are going to see?

Why evolution occur & why all this happen?

As discuss earlier evolution is a process in which our body changes according to the environment but why this evolution happen to understand this lets take an Example:

Suppose we buy an Imported car who is made to use in a well concrete road but the road which is available is in bad condition so what happen the efficiency and life of a car is decreases & to solve this prob. We have to done the following things.

1] Change the road 2] Modify the car

And now put our body in the place of car and nature in place of road and now imagine the situation the car faces our body is also faces the same situation and as the result its efficiency is also decreases and to solve this we also have to follow one of this situation.

1] Modification of our body
2] Change the nature

And as we now it is very hard to change the environment so our body follow another path i.e. modification of our body and this modification is known as evolution in which our body changes according to the surrounding to increase our efficiency apart from this is also protect us from diseases. So in this way evolution occur to maintain our existence in this world.

Now we have to find out the ans. of 2nd Que. i.e.

Are we humans going to be further Evolve

To find out the ans. of this Que. Let's make the list of essential material for existence of human life and those are:

[1] Oxygen [2] Nutrients [3] Water

Apart from that we also a narrow range of temperature and pressure.

Oxygen:

The earth atmosphere contain only 20% of oxygen which is also a key component for the survival of human beings because it is a key component of the chemical reaction that keep the body alive, it also a major component of reaction the produced ATP. Lack of oxygen within 5 min result if brain damage because brain cells are very sensitive to lack of oxygen because it need steady production of ATP, and in era of technology and industrialization deforestation takes place rapidly which result in deficiency of oxygen and it also gets polluted due to air pollution. In the new study, researchers calculated past atmospheric oxygen level by looking at air trapped inside ancient polar ice samples, new estimates suggest that atmospheric oxygen levels have fallen by 0.7 percent over the past 800,000 years. The scientists concluded that oxygen sinks — processes that removed oxygen from the air — were about 1.7 percent larger than oxygen sources during this time.

Nutrient:

Another is another essential substance for our survival it provide our body energy it provide us primarily carbohydrates and lipids, while proteins mainly supply the amino acids that are the building blocks of the body itself. Now according to FOOD AND DRUG ADMINISTRATION food contamination sickens millions of Americans every year and the most common food boner diseases that cause hospitalization and even death are salmonella, norovirus, campylobacter, *E. coli*, and listeria. And not only in America there are 1000 of people that fall sick due to food contamination every year.

Water:

As we all know water is very imp. For us to live and our body itself contain overall 70% of water itself which gain gets polluted and contain harmful chemicals like lead, nitrate etc. And according to Minnesota pollution control agency (MPCA)

“Nearly 2-3rd of test wells in central Minnesota found ground water contain excess amount of nitrate”

Apart from that our body is also facing some more prob. like

our efficiency is decreases, earlier an average life of human is to be approx 90- 100 years now it has been reduce to 60-70 year.

At the age of 50 we have to suffer with many diseases like diabetes, blood pressure etc.

Eyesight prob. is also a major prob. In now a days and according to a survey it was found the around 50% of children under age of 10 suffering from eye sight prob. & Our immunity is also become low.

2. Result With Discussion

So as we discuss above the climate and conditions around us is changed a lot and as generations passed it becomes difficult for us to maintain our existence in this world and to get away from this our body evolve and take us to a new era called future evolution and according to this.

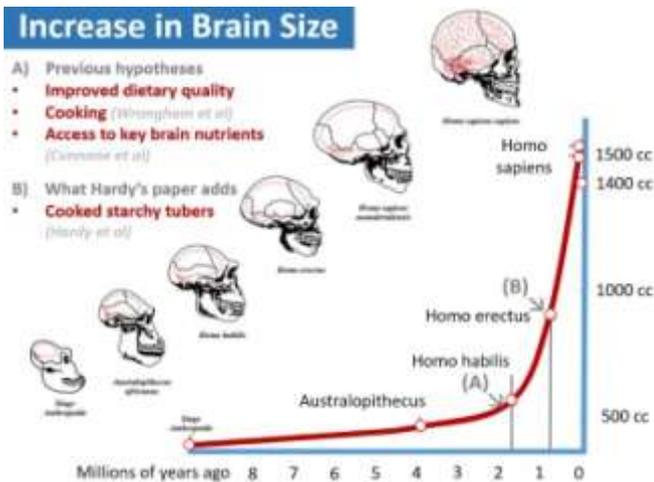
“The evolution in which our body changes with the help of our brain in order to increases our efficiency and to maintain our existence in this world is called future evolution”.

And in this stage human body change in following ways:

- 1) Skull size increases
- 2) Radius of eye increases and focus of our sight decreases
- 3) Height of our body decreases
- 4) Probably we developed 6th sense

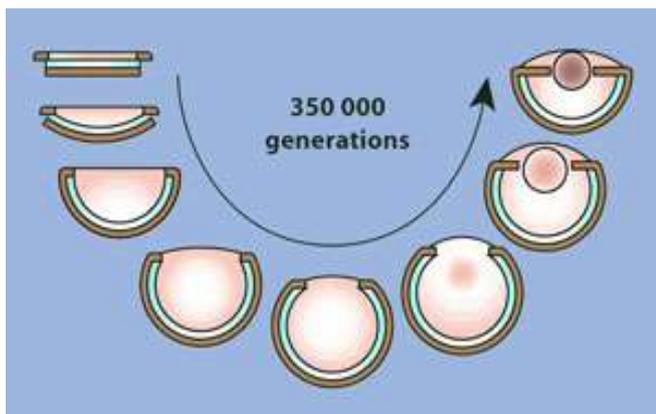
Increase in skull size.

Human brain is the most important part of human evolution and at presents we human's are able to take the top spot in food chain because of our brain. Over the past million years our brain has been increase rapidly so that we can raise above the other species and the human brain is only powerful weapon we have to ensure our existence in further future, therefore in future evolution human evolve further and as the result the size of our skull is also increase. The fig. below shows the evolution of human brain in past millions years.



Increase in radius of eye and decrease in focus of sight.

As the size of the brain increases the increase in optical nerve is also possible as the result the size of eyes if also increases and as the evolution of brain, it need to process the image more deeply and clearly therefore the size of radius of eye is also increase and to process objects more clearly and deeply the focus of eye is also reduced. The fig below shows the evolution of human eye over past decades.



Decrease in height (shrinking of hands and legs).

As the size of brain increase it need more oxygen to work and as the result the heart has to pump faster for this we have two options.

- 1) Increase in size of heart.
- 2) Shrinking of length of hands and legs.

The first option is not possible because as explained earlier oxygen level is decrease rapidly, as move on to 2nd option as explained due evolution of brain and with the use of 6th sense we reduce the use of our hands and legs and due to the deficiency in oxygen also the size of hand and legs it going to be shrink and as the result the height is been reduced.

3. Conclusion

Now we conclude that to maintain our existence and to increase our efficiency we need to be further evolve and

the evolution occur with the help of our brain due to which increase in size of skull, increase in radius of eyes reduction of focus of eye and decrease in size of human are possible and we may able to use our 6th sense.

References

- [1] Charles Darwin, "On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life," 1859, p. 162.
- [2] Ibid. p. 158.
- [3] Michael Behe, "Darwin's Black Box," 1996.
- [4] "Unlocking the Mystery of Life," documentary by Illustra Media, 2002.
- [5] Michael Denton, "Evolution: A Theory in Crisis," 1986, p. 250.
- [6] Charles Darwin, "On the Origin of Species by Means of Natural Selection.
- [7] <https://www.britannica.com/science/human-evolution>
- [8] www.bbc.co.uk > Home > Science > OCR 21st Century (Pre-2011) > Life on Earth.
- [9] <https://listverse.com/2012/11/26/top-10-possible-next-steps-in-human-evolution>
- [10] <https://www.visionlearning.com/en/library/Biology/2/Future...Human-Evolution/259>.
- [11] According to who report also.
- [12] Source: PRB 2014 and 2015 World Population Data Sheets