



EVOLUTION ILLUSION

PROBABILITY

[This is the transcript from the free **Evolution Illusion 3D Museum** program.
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Contents:

1. Probability
2. Ball Games
3. Application
4. References

1. PROBABILITY

It may surprise you to learn that science cannot prove anything absolutely. George Gaylord Simpson wrote:

"We speak in terms of "acceptance," "confidence," and "probability," not "proof." If by proof it is meant the establishment of eternal and absolute truth, open to no possible exception or modification, then proof has no place in the natural sciences."

Put simply: true science is always open to change as new discoveries are made. Science thus relies heavily upon probability. In this exhibit we wish to study evolution in the light of the law of probability.

The Probability laws in Daily Life

Probability is used in many areas of everyday life. Insurance companies use it to evaluate risk. For example, person under 25 years old is more likely to have an accident than someone over 25 years of age, and therefore, is considered a higher risk.

Probability can also be applied in many other areas – from weather forecasting to the stock market.

2. BALL GAMES

Instructions

1. Take a bag and 10 identical balls
2. Mark one of the balls
3. Throw all the balls into the bag

What do you think the chances are of blindly choosing the marked ball 1st try? The probability is one chance in ten. What then is the probability of you blindly choosing the marked ball 10 times in a row?

Come on, try it out!

You will have seen that blindly choosing the marked ball 10 in a row (that is 1 chance in 10 billion), is highly improbable. Just choosing the correct ball 3 times in a row is very difficult.

Let us now apply what we have learned to evolution.

3. APPLICATION

Probability and Evolution

Are the laws of probability applicable to evolution? Yes! according to Dr. Coppedge.

"Evolution is an ideal subject in which to apply the laws of chance. As defined earlier, evolutionary doctrine denies advanced planning, and has a random matter-in-motion as its basic causal source."

Just like our ball example, evolution is blind chance and thus is based completely on random processes. Evolution denies the existence of God, and so there is no intelligence guiding it.

Too Improbable Means Scientifically Impossible

"Borel's law of probability states that the occurrence of any event, where the chances are beyond one in one followed by 50 zeroes, is an event that we can state with certainty will never happen, no matter how much time is allotted and no matter how many conceivable opportunities could exist for the event to take place"

In other words, according to the science of mathematics, anything with a chance of one in 10 to the power of 50 and above, will never happen –ever - regardless of how much time is available and how many possible opportunities arise. With this in mind, let us examine what science says about the probability of evolution.

Dr. Harold Morowitz estimated that the chances of the simplest life-form arising through evolution is one in ten to the power of 340,000,000.

That is one chance out of one followed by 340 million zeros! This is a probability that exceeds the maximum possible probability by 6.8million times! Evolution is impossible!

The late Dr. Carl Sagan estimated that the chances of life evolving on a planet like the earth is one in ten to the power of 2 billion. That is one chance in a one followed by 2 billion zeroes!

That is even more improbable than Dr. Morowitz's estimation!

But how could the chances stacked against evolution be so high?

In the "Life" section of the 1993 edition Encyclopedia Britannica, the smallest lifeform, a "simple" cell is said to have 1 trillion bits of information stored within it. That is the equivalent to the number of letters on 100 million pages of the encyclopedia Britannica!

Remember our Ball games? Remember how difficult it was to select the correct ball 3 times in a row? Try imagining the probability involved in building a "1 trillion bits of information simple" cell by accident. The

probability is too ridiculous for anyone to truly believe that it actually happened. Anything so improbable is scientifically impossible. The only believable answer is that life did not evolve into existence, but rather was created by an intelligent mind. David rightly wrote,

"I am fearfully and wonderfully made" PSALM 139:13,14

Once again, the Bible presents the only believable answer.



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