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## **Part 4: HOW WELL DOES EVOLUTION THEORY AGREE WITH SCIENTIFIC PRINCIPLES AND DISCOVERY?**

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- Can life emerge from non-life? Or can gas clouds lead to the formation of planets and stars?

If those ideas are true, then we would have to identify a creative “force” working in nature that is able to cause such things to happen. But the only “force” that scientists can observe working in the natural realm is that of entropy (2nd Law of Thermodynamics). And it contradicts completely the idea that the natural realm can evolve into a state of greater organization and complexity

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### **The Laws of Thermodynamics**

**First Law: (also known as the Law of Conservation of Matter and Energy)**

**“In any process, energy can be changed from one form to another (including heat and work), but it is never created or destroyed.”**

— Rudolf Clausius, German physicist

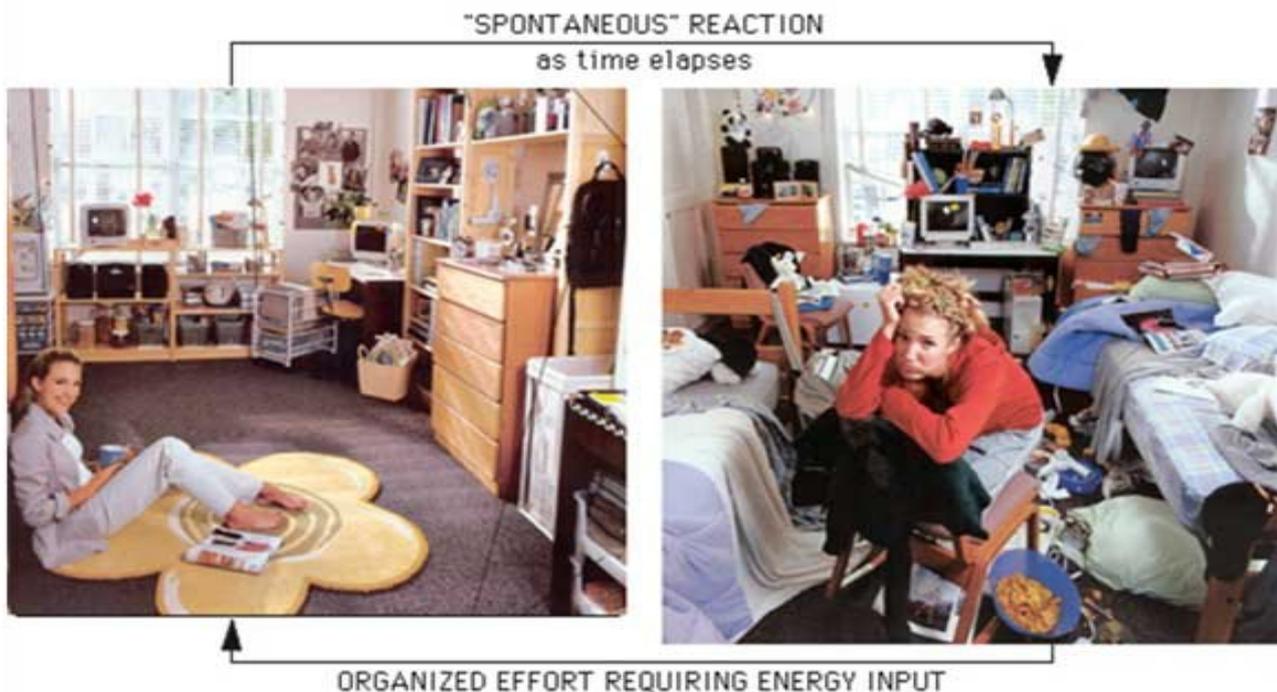
**Second Law: (also known as Entropy)**

**Although the total amount of energy remains the same, there is always a tendency for it to become less available for useful work.**

Or as famed scientist and science fiction writer, Isaac Asimov, put it,

**“The universe is constantly getting more disorderly.”**

From that point of view we can see the second law all about us. It takes effort and work to straighten a room, but left to itself it becomes a mess again very quickly. Even if we never enter it, it becomes dusty and musty.





**How difficult it is to maintain houses, and machinery, and our own bodies in decent working order, but how easy to let them deteriorate. In fact, all we have to do is nothing, and everything deteriorates, collapses, breaks down, wears out, all by itself. And that is what the second law is all about.**





**“Watches, batteries, and even people run down. Can their used-up energy be recovered? You may rewind a watch, recharge a battery, and rest and eat to ‘recharge’ yourself, but none of these processes recover the original energy. If we consider all the natural processes in the universe, we can see that all of nature is running down.**

**“The fact that the universe is running down implies that it must have been ‘wound up’ sometime in the past.**

**“No one has ever found a single exception to the 1<sup>st</sup> and 2<sup>nd</sup> Laws of Thermodynamics.**

**“Both Laws present serious problems for the theory of evolution. For example, the 2<sup>nd</sup> Law refutes the evolutionary idea that matter organized itself from disorder and chaos into order and complexity.”**

**(from *The Physical World - An Introduction to Physical Science,***

pg 375, Bob Jones University Press)

**What about chemical evolution and the Miller-Urey experiment (1953)?**

That experiment showed that amino acids could be created under certain laboratory conditions, and this was thought to prove that life could arise from non-living chemicals (since amino acids are the building blocks of proteins, which are necessary for life).

On this subject, noted scientist Dr. Charles McCombs had this to say:

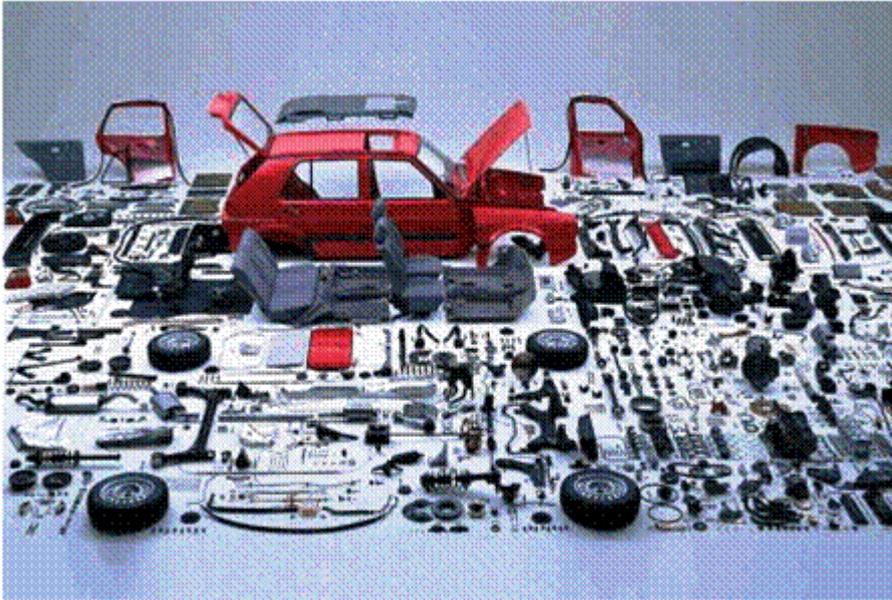
**As a Ph.D. Organic Chemist, I have to admit that the formation of amino acids under these conditions is fascinating, but there is a major problem. Life was never formed in that experiment [Miller-Urey's]. The product was amino acids, which are normal everyday chemicals that do not “live.” Even unto this day, there is no known process that has ever converted amino acids into a life form. . .**

There is a much bigger gap between non-living and living organisms than scientists are willing to admit. The phenomenon of “chirality”, for example, illustrates how unbridgeable the gap is. In our body, every single amino acid of every protein is found with the same left-handed structure (chirality). They have to be left-handed, not the right-handed mirror version.

The amino acids formed in the Miller-Urey experiments produced a 50/50 mixture of left and right handed molecular structures, exactly what one would expect with the creation of molecules in a random chemical process. It is a universally accepted fact of chemistry that “chirality”, the molecular structure needed for living organisms, cannot be created by random process. It needs the Creator.

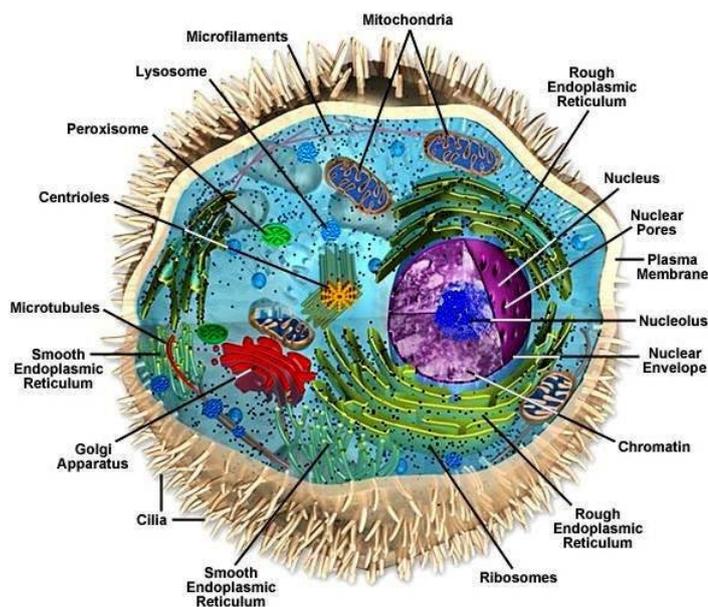
For more information on this, see the article [“Evolution Hopes You don’t Know Chemistry: The Problem with Chirality”](#).

See [Case for a Creator Video Clip](#) of Miller-Urey experiment



**Food for thought:** You could go into an auto parts store and buy every single part needed to construct a car, but without an assembler, no car

**Conclusion:** Even the simplest life forms are extraordinarily complex. It would contradict the 2<sup>nd</sup> Law of Thermodynamics for molecules to organize themselves in this manner.



**More Food for Thought:** Could the human cell assemble itself? The cell is just as complex as a car. Without an Assembler those amino acids could not even form proteins, DNA, etc., much less produce a living cell.

All living organisms are “irreducibly complex”. That is, several different parts have to be working simultaneously right from the start before the organism is able to work at all. There is no room for an evolutionary process from simple to complex. Every organism has to start off as “complex”.

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“The common notion that life originated in an RNA to DNA to life sequence is simplistic. Each of the RNA, DNA, and protein molecules requires the existence of the other two to put it together or to help it work.”

(from *God’s Undertaker*, pgs 143-144, by John Lennox)

[See Case for a Creator VIDEO CLIP: “Evidence of Biological Machines”](#)

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