

The theory of biological design (ToBD) is a hypothesis that seeks to test and prove that life is exquisitely *designed* to react *internally* to external events. Big E evolution says that organisms react to external events through the mechanism of defective mutations resulting in death producing new information, unobserved in nature.

Review						
NEVIEW						
Life is Exquisite						
 Beauty - Life's elegance is displayed by its Maker in 						
wondrous and awe inspiring beauty - not chance.						
 Balance - Ecosystems rely on other life for their survival, 						
and have myriad sub-systems and cycles to support its						
existence in biology, geology, astronomy, and physics - to name a few!						
 Bodacious Design - Life is bright, colorful, often playful, and 						
occasionally terrifying in its wide variety and awesome design.						
 Bogus Counterfeits - Unproven and debunked ideas litter the landscape of big E Evolution 						

Why a Theory of Biological Design is Needed

- For humans it honors God and offers a firm statement rather than a reply.
- For science, Selectionism/ Big E theory is currently the only game in town (theory) is deeply flawed.
- For researchers it provides a framework for research

Negative evidence does not drive out Evolution through Natural selection NS Also, evolutionists say only "experts" not ordinary folk can understand the Theory, excluding dissent.

Lastly, evolution theory strives to make natural selection the only game in town. Evidence disproving evolution/natural selection is attributed to unobserved mutation requiring further study, not that it's untrue.

Continuous Environmental Tracking

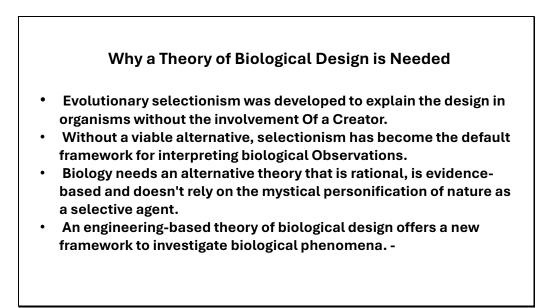
• Darwinian evolution attempts to explain life and its apparent design Without a Creator.

- Evolution attributes adaptation to chance external environmental as opposed to God's creation of internal biological systems that drive adaptation.
- The continuous tracking model demonstrates that organisms, and even entire populations, have built-in abilities to track their environments and readily adapt with appropriate responses.
- Only intricately and purposely designed biological can respond in this way. https://www.icr.org/article/continuous-environmental-tracking-wrap-up

The Mechanism of the Theory

The Point - Psalm 148:1-6

Praise the LORD! Praise the LORD from the heavens; Praise Him in the heights! Praise Him, all His angels; Praise Him, all His hosts! Praise Him, sun and moon; Praise Him, all stars of light! Praise Him, highest heavens, And the waters that are above the heavens! Let them praise the name of the LORD, For **He commanded and they were created**. He has also established them forever and ever; He has made a decree which will not pass away.



https://www.icr.org/article/why-biology-needs-theory-biological

Continuous Environmental Tracking						
Device	Computer	Cave Fish				
Input	Mouse/Keyboard/Camera	Eyes, Ears, Skin, etc				
Logic	Program	Genes and Gene Helpers				
Output	Screen/Printer/File	Changes in Eye Function				
What is Updated	The Output	The program (DNA)				

CET According to [CET], all organisms actively track conditions within specific environments to perform adaptive self-adjustments through internal mechanisms. These changes appear rapidly and show no sign of genetic change.

Continuous environmental tracking (CET) is ICR's engineering-based, organism-focused model of adaptation.³ CET hypothesizes that organisms possess innate systems that actively and autonomously track changing conditions using system elements that are similar to those found in human-engineered tracking systems. As we research literature and model organisms, we search for sensors to detect changing conditions, if-then logical algorithms, and output responses in the form of suitably modified traits. - https://www.icr.org/article/continuous-environmental-tracking-

Very Important: In both CET and computer programming, the program is not changed, it changes **outcomes**. Unlike Christ, no program updates, patches are ever needed.

Does it Work?:

Preliminary results reveal:

•Cavefish increase the amount and distribution of melanin pigment across their body when exposed to artificial sunlight.

•Cavefish exhibit behavioral and physiological tolerance to low pH and low oxygen.

•Surface fish decrease pigmentation across their body and labor during respiration in low pH and low oxygen.

•Melanin pigmentation in surface fish is noticeably reduced by immersion in deionized water.

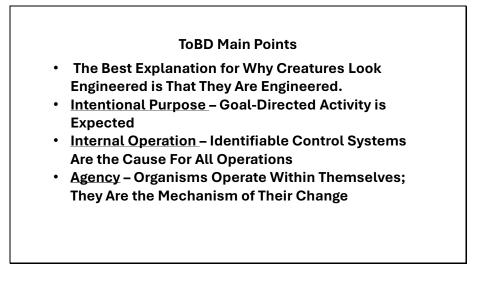
•Cavefish and surface fish respond to treatments within weeks of exposure.

•Experimental responses by cavefish and surface fish are not limited to multigenerational genetic inheritance.

•Degeneration of eye formation by cell death (apoptosis) is detectable through confocal laser scanning microscopy.

Overall, results indicate that cavefish are pre-acclimated to experimental conditions that simulate limestone cave environments (low pH, low oxygen, and total darkness), and surface fish undergo active self-adjustment when placed into simulated cave environments. -

https://www.icr.org/article/14298



Engineered – This provides a response to powerful arguments such as The Blind Watchmaker for nature "selecting" for an organism.

"The Blind Watchmaker" is a seminal work by evolutionary biologist Richard Dawkins, first published in 1986. In this book, Dawkins presents a comprehensive argument for the theory of evolution by natural selection and critiques the idea of intelligent design."

"The central metaphor of the book is the watchmaker analogy, which suggests that the complexity of living organisms implies the existence of a designer, much like the complexity of a watch implies the existence of a watchmaker. Dawkins dismantles this analogy by demonstrating how the process of natural selection, acting on random variation, can produce the appearance of design without the need for a designer." - https://naturalview.org/blind-watchmaker/

Agency - "a thing or person that acts to produce a particular result." - Oxford Dictionary

"The Gaia hypothesis—first articulated by James Lovelock and Lynn Margulis in the 1970s—holds that Earth's physical and biological processes are inextricably connected to form a self-regulating, essentially sentient, system."² Lovelock named his theory after the mythological goddess— venerated as the personification of Earth. His theory was meant to tie together several biological phenomena, particularly the tight-knit cooperation between living organisms, life's resilience in the face of catastrophic events, and the close association between the organic and inorganic realms.

All of these observations could be seen as working together with such purposefulness that one explanation for life's origination is the tremendous wisdom and power of God. In contrast, Lovelock hypothesized that the organic and inorganic components of Earth evolved together so tightly that everything on Earth somehow became melded into a single, self-organizing system that seems to mystically exercise an intrinsic agency. This has led some researchers to ask, "Is Earth really a sort of giant living organism as the Gaia hypothesis predicts?" ⁻ https://www.icr.org/article/evolutionists-sense-design-deify-nature

Recap:

Worldview	Big E / Selectionism	Biological Design	
Influencer (Change Agent)	External	Internal	
What Changes	DNA	Genes Switching On and Off	
Results	New Information (Actually Death and Extinction)	Animal Adapts to Changing Condition	
Glory To	Gaia as Idol	Jesus as Creator	

	201	a. Synopsis of a	biological research	program conducte	d within an eng	ineering-based framewo	rk		
b. Research assumptions of a TOBD as applied to biology:	1. Integrated. Both basic research of biological functions and associated technical applications are within the domain of engineering practice.								
	2. Compr	2. Comprehensive, All biological systems related to development, metabolism, reproduction, and adaptation can be reverse-engineered.							
	3. Instruc	3. Instructive. Biological functions will only be accurately explained by models developed utilizing engineering principles.							
	4. Directi	4. Directive. Analyzing human engineering practices will inform predictions and point researchers to accurate characterizations of biological phenomena.							
c. <u>TOBD basic t</u>	tenets	d. Resulting expectation:	s of findings or interpre	tations of observatio	ns		e. Inferences		
Intentionalistic <u>Purpose</u> Goal-directed activity on an organism-wide basis is expected at every research level.		<u>Directed</u> Activity of systems is efficiently directed toward	<u>Coherent</u> Coherence is pervasive. Explore for system elements	Foresighted Proactive Presume traits that Expect anticipatory planning that function to attain integrates knowledge of present goal-oriented states conditions, past experiences, and		Since systems are always engineered top-down, then purposeful systems linking all biological functions are expected.			
		need-fulfilling ends. functioning are indicators of Embrace the reality simultaneously as both experience-based of purpose. ends and means. planning.				Deterministic outcomes are evidence of purpose, e.g., repeated, self- regulated attainments of a "final state from a single cell <i>are</i> scientific data.			
Internalistic Operation Identifiable control systems within an organism are the true cause for all operations, including adaptations.		Unity The organism is the directing program for all purposeful outcomes and	Precedence Triggers Information Adaptation An organism's traits The actual triggers Organisms sense Organisms optimize the organism sense determine all of its initiating all self- exposures and suitability of their traits to capabilities. The adjustments by extract data. the environment through		Corresponding elements are expected between human-designed contrivances and biological systems performing similar functions.				
		cannot be reduced below the level of self, e.g., DNA	traits, not external exposures, should	organisms are Environments their innate engineered integrated sensors to can't send control of the organism-	Engineering causality eliminates in- observable external interventions.				
		and its machinery are a be credited with detect variable instruction subsystem of the organism. success or failure. conditions.		instructions.	ctions. environment relationship.	Both internal form and adaptability are governed by innate systems.			
Individualistic Agency		Stimuli Interfaces Organisms as Elements Internal programming will Individuals will relate to environments Organisms themselves are discreet specify any condition "to be" a through identifiable interfaces. For two or elements working together in			Engineered controls will regulate organism-environment relationships.				
Autonomous organisms are delineated by a definite "self" boundary	stimulus. No condition in and more independent entities to work broader systems. They are not of itself is a "stimulus." together, they must be connected by an absorbed into a collective.				Entangling individual causal operatio produces confused explanations.				
and operationally are not to be conflated with "non-self."		Organisms have sensors tuned interface. Biological interfaces have one to Individuality isn't abolished.			Information explaining ecosystems and interfaces is inferred—it isn't found in information of the elements				

Table 1. Condensed outline of a theory of biological design (TOBD) that hypothesizes that the best explanation for why creatures look engineered is that they are engineered.

(a) How a TOBD functions as an interpretive framework of biological phenomena and guides a research program. (b) Research within a TOBD assumes that basic research of biological functions is within the domain of engineering practice and that utilizing engineering principles is necessary to precisely explain biological functions. (c) Three descriptive tenets of any engineered entity that are essential to frame accurate explanations of biological operation. (d) The table's central focus is how TOBD assumptions and tenets guide the interpretation of biological observations (e.g., the default interpretation of an observed genetic change that's adaptive is "directed," not random; causal "precedence" is conferred to an organism's traits, not external exposure) or predicted findings in research (e.g., identifiable "interfaces" enabling independent organisms to work together). (e) These are the major inferences constraining explanations within a TOBD.