Origins: Is It Reasonable To Believe in God-in This Scientific Age?

Is It Reasonable to Believe in God in this Scientific Age?

 Rom. 1:20 - His invisible attributes ... understood by the things that are made **–His Eternal Power –His Divine Nature (Godhead)** The Argument from Design

Search for Extra Terrestrial Intelligence - SETI

The Center for SETI Research



SETI, ..., is an exploratory science that seeks evidence of life in the universe by looking for some signature of its technology.

intelligent, technological civilizations is open to speculation. However, such a civilization could be detected across interstellar distances, and may actually offer our best opportunity for discovering extraterrestrial life in the near future.

From www.seti.org

"Virtually all radio SETI experiments have looked for what are called "narrow-band signals." These are radio emissions that are at one spot on the radio dial... Narrow-band signals... are the mark of a purposely built transmitter. Natural cosmic noisemakers, such as pulsars, quasars... do not make radio signals that are this narrow."

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> They can infer intelligent cause without identifying what that intelligence is.

SETI

Search for Extra - Terrestrial Intelligence

Signal Received from Space

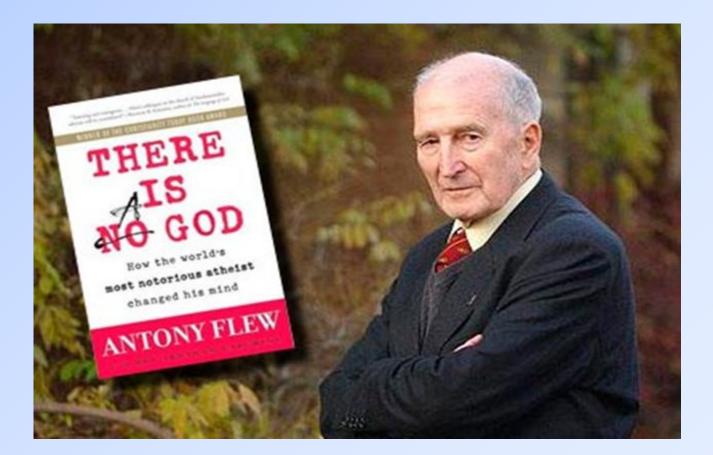
What if we received a message from space with a language we could decode and read?

Design at the Microscopic Level The Signature in the Cell

Signs of Intelligent Design Right Here on Earth

- Every living cell is full of signs of intelligent design.
- Including a language which we have learned to decode and read!

Antony Flew Professor of Philosophy Former atheist, author and debater 2004



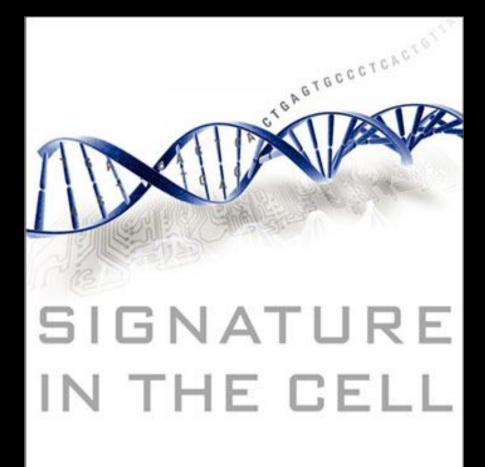
Antony Flew Professor of Philosophy Former atheist, author and debater 2004

"It now seems to me that the findings of more than fifty years of DNA research have provided materials for a new and enormously powerful argument to design."

Signs of Intelligent Design Right Here on Earth

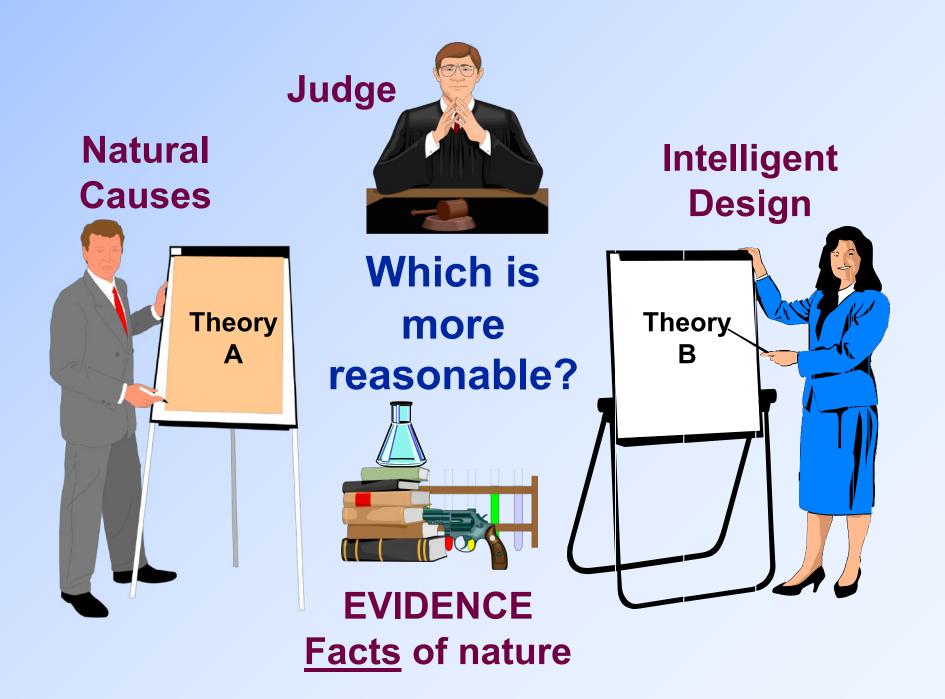
- Every living cell is full of signs of intelligent design.
- Including a language which we have learned to decode and read!
- Research on DNA continues to reveal signs of DESIGN.
- Antony Flew "had to go where the evidence leads."

Signature in the Cell bv Dr. Stephen C. Meyer 2009



DNA AND THE EVIDENCE FOR INTELLIGENT DESIGN

STEPHEN C. MEYER



Critical Components of Life

Components

Structural Materials

Tools and Machinery

Blueprints

Assembled Organic Compounds

Proteins (assembled from amino acids) *Construction* (shape and mobility)

Enzymes (special forms of proteins)

Genes - Nucleic Acid (DNA and RNA) *Metabolism* (growth and maintenance)

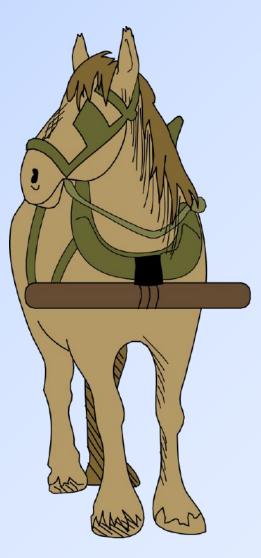
Function

Reproduction (information and directive function)

Two Types of Proteins

• Structural

• Enzymes



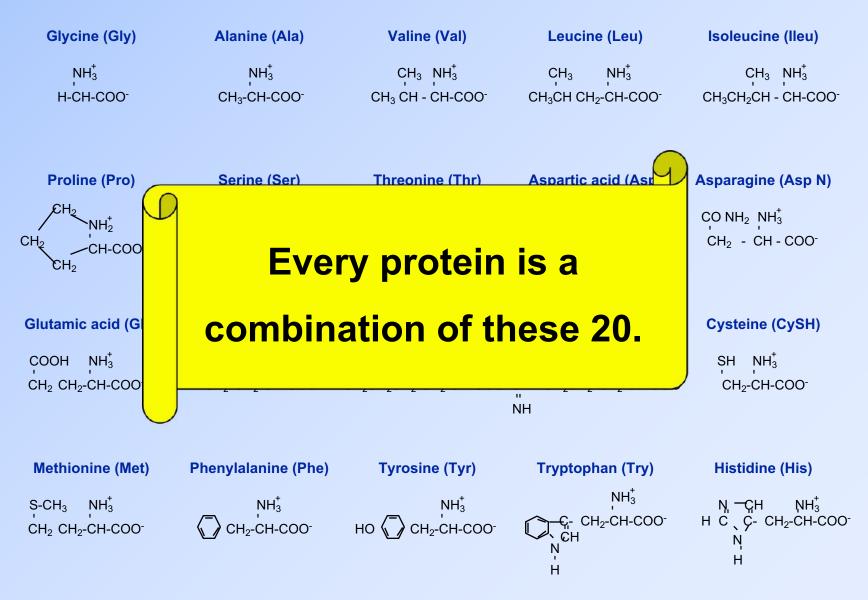
Workhorses

The Twenty Common Amino Acids Occurring in Proteins

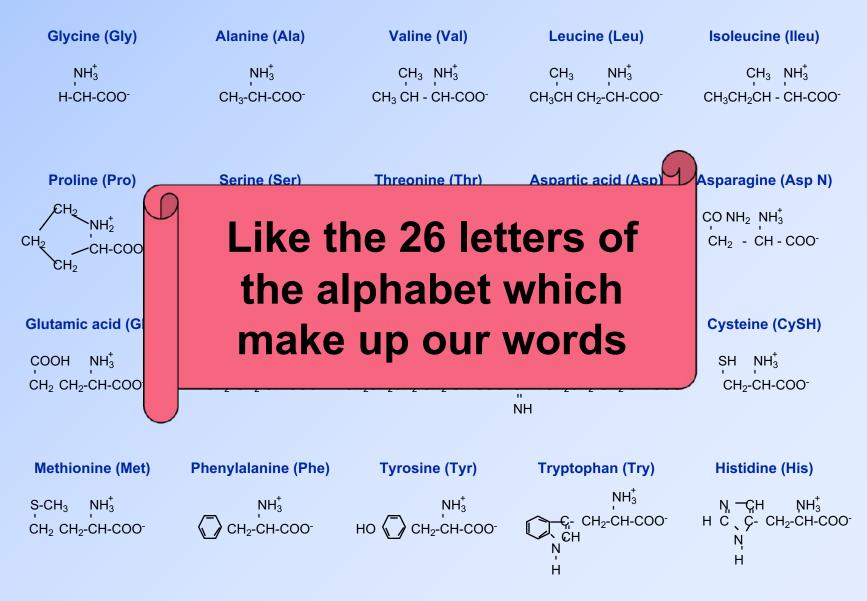
Glycine (Gly)
 NH_3^{+}
 $H-CH-COO^{-}$ Alanine (Ala)
 NH_3^{+}
 $CH_3^{-}CH-COO^{-}$ Valine (Val)
 $CH_3^{+}NH_3^{+}$
 $CH_3^{-}CH-COO^{-}$ Leucine (Leu)
 $CH_3^{-}NH_3^{+}$
 $CH_3^{-}CH-COO^{-}$ Isoleucine (Ileu)
 $CH_3^{-}NH_3^{+}$
 $CH_3^{-}CH-COO^{-}$ Proline (Pro)
 $CH_2^{-}CH-COO^{-}$ Serine (Ser)
 $CH_2^{-}CH-COO^{-}$ Threonine (Thr)
 $OH^{-}NH_3^{+}$
 $CH_3^{-}CH-COO^{-}$ Aspartic acid
 $CH_3^{-}CH-COO^{-}$ Asparagine
 $CO^{-}NH_3^{+}(Asp)
<math>CH_2^{-}CH-COO^{-}$ Glutamic acid
(Glu)Glutamine (Glu N)
Lysine (Lys)Arginine (Arg)
Cysteine (CySH)

н

The Twenty Common Amino Acids Occurring in Proteins



The Twenty Common Amino Acids Occurring in Proteins



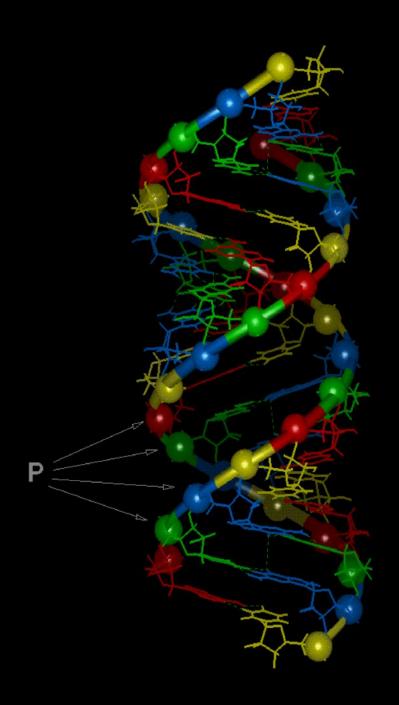
Dumb Blondes of the Biochemical World

Dr. Francis Crick in Life Itself





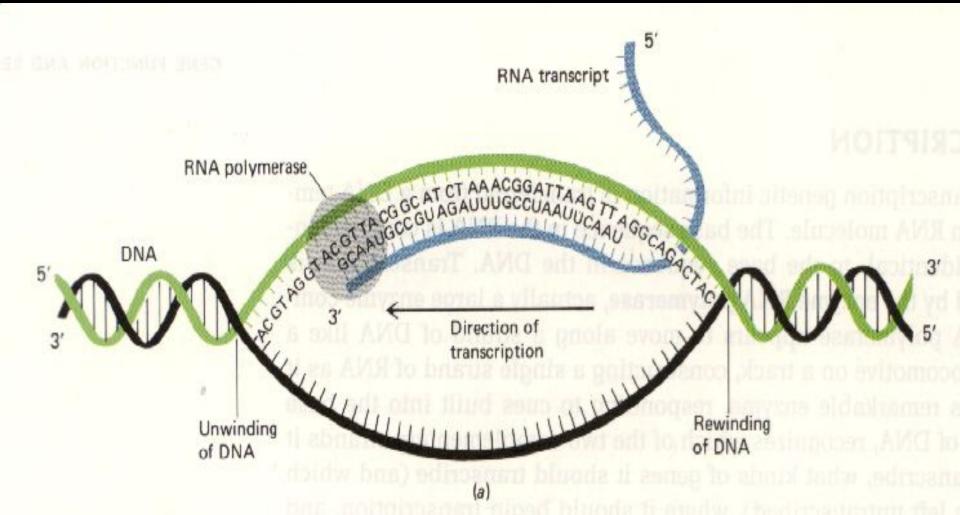




DNA

Certain characteristic structure **Double helix** with cross bars **Capacity to** reproduce itself

A DNA double helix is unwound by RNA polymerase, giving the enzyme access to the nucleotide sequence.



First Base	Second Base				
	U	С	А	G	
	phenylalanine	serine	tyrosine	cysteine	U
	phenylalanine	serine	tyrosine	cysteine	С
U	leucine	serine	stop	stop	А
	leucine	serine	stop	tryptophan	G
	leucine	proline	histidine	arginine	U
с	leucine	proline	histidine	arginine	С
U U	leucine	proline	glutamine	arginine	А
	leucine	proline	glutamine	arginine	G
	isoleucine	threonine	asparagine	serine	U
	isoleucine	threonine	asparagine	serine	С
A	isoleucine	threonine	lysine	arginine	А
	(start) methionine	threonine	lysine	arginine	G
G	valine	alanine	aspartate	glycine	U
	valine	alanine	aspartate	glycine	С
	valine	alanine	glutamate	glycine	А
	valine	alanine	glutamate	glycine	G

First Base	Second Base					
	U	С	А	G		
U	phenylalanine	serine	tyrosine	cysteine	U	
	phenylalanine	serine	tyrosine	cysteine	С	
	leucine	serine	stop	stop	Α	
	leucine	serine	stop	tryptophan	G	
	leucine	proline	histidine	arginine	U	
с	leu	All 20 /	A mino	ginine	С	
	leu É		Α			
	leu 🗛 🕻	cids ar	e Code		G	
	isole			erine	U	
Α	isole	Here erine			С	
	isoleucine	threonine	lysine	arginine	Α	
	(start) methionine	threonine	lysine	arginine	G	
	valine	alanine	aspartate	glycine	U	
G	valine	alanine	aspartate	glycine	С	
	valine	alanine	glutamate	glycine	Α	
	valine	alanine	glutamate	glycine	G	

	First	Second Base				Third Base	
	Base	U	С	Α	G		
	U	phenylalanine	serine	tyrosine	cysteine	U	
		phenylalanine	serine	tyrosine	cysteine	С	
		leucine	serine	stop	stop	Α	
		leucine	serine	stop	tryptophan	G	
		leucine	proline	histidine	arginine	U	
Constis	6	leucine	proline	histidine	arginine	С	
Genetic	С	leucine	proline	glutamine	arginine	Α	
Code		leucine	proline	glutamine	arginine	G	
	A	isoleucine	threonine	asparagine	serine	U	
		isoleucine	threonine	asparagine	serine	С	
		isoleucine	threonine	lysine	arginine	Α	
AUG = Start Reading		(start) methionine	threonine	lysine	arginine	G	
		valine	alanine	aspartate	glycine	U	
		valine	alanine	aspartate	glycine	С	
		valine	alanine	glutamate	glycine	Α	
		valine	alanine	glutamate	glycine	G	

First	Second Base					
Base	U	С	А	G		
U	phenylalanine	serine	tyrosine	cysteine	U	
	phenylalanine	serine	tyrosine	cysteine	С	
	louoino		stop	stop	Α	
U	$\mathbf{J}\mathbf{A}\mathbf{G} = \mathbf{S}\mathbf{t}\mathbf{o}$	p Reading	stop	tryptophan	G	
	leucine	prolir	histidine	arginine	U	
с	leucine	proline	histidine	arginine	С	
C	leucine	proline	glutamine	arginine	А	
	leucine	proline	glutamine	arginine	G	
	isoleucine	threonine	asparagine	serine	U	
А	isoleucine	threonine	asparagine	serine	С	
	isoleucine	threonine	lysine	arginine	Α	
	(start) methionine	threonine	lysine	arginine	G	
G	valine	alanine	aspartate	glycine	U	
	valine	alanine	aspartate	glycine	С	
	valine	alanine	glutamate	glycine	А	
	valine	alanine	glutamate	glycine	G	

SETI

Search for Extra - Terrestrial Intelligence

Signal Received from Space

What if we received a message from space containing the genetic code?

SETI

Search for Extra - Terrestrial Intelligence

The Genetic Code

The SETI organization and other reasonable people would certainly conclude this came from an intelligent source!!

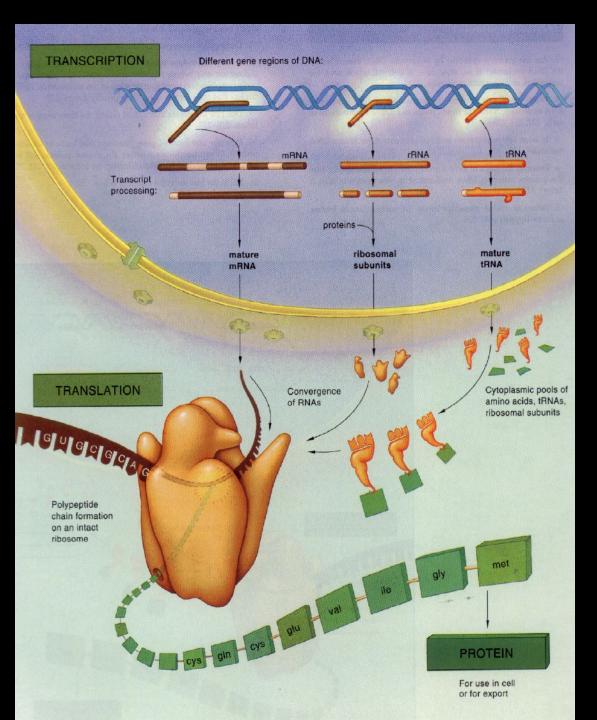
First Base	Second Base					
	U	С	А	G		
	phenylalanine	serine	tyrosine	cysteine	U	
	phenylalanine	serine	tyrosine	cysteine	С	
U	leucine	serine	stop	stop	A	
	leucine	serine	stop	tryptophan	G	
	However, there is					
с	MUCH MORE					
C						
	to the description of life					
	as we know it than just					
	- the genetic code!!! isoleucine mreonine lysine arginine					
A	isoleucine		IC COUT	arginine	Α	
	(start) methionine	threonine	lysine	arginine	G	
	valine	alanine	aspartate	glycine	U	
G	valine	alanine	aspartate	glycine	С	
	valine	alanine	gluamate	glycine	Α	
	valine	alanine	gluamate	glycine	G	

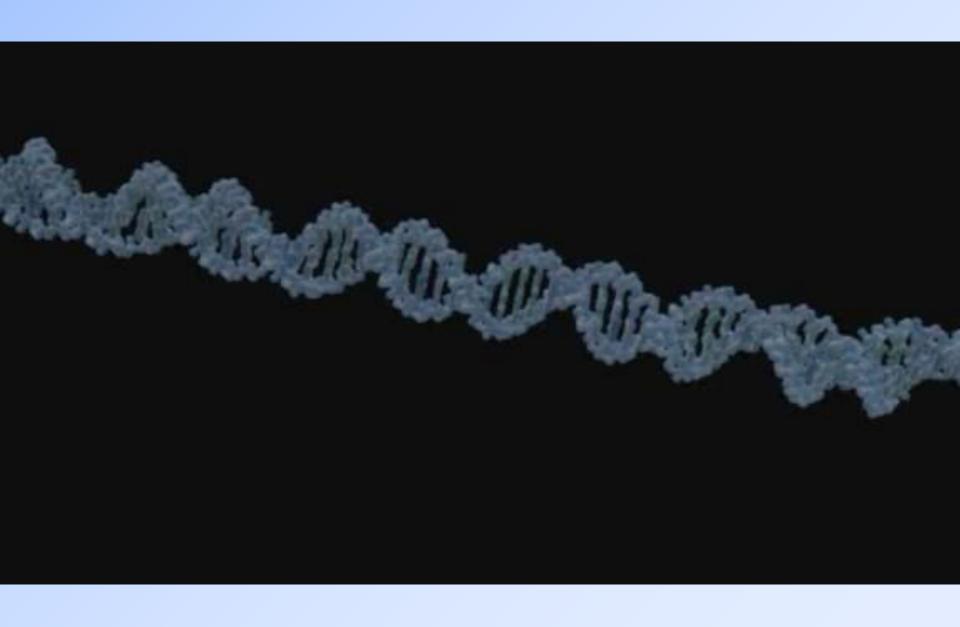
Transcription,

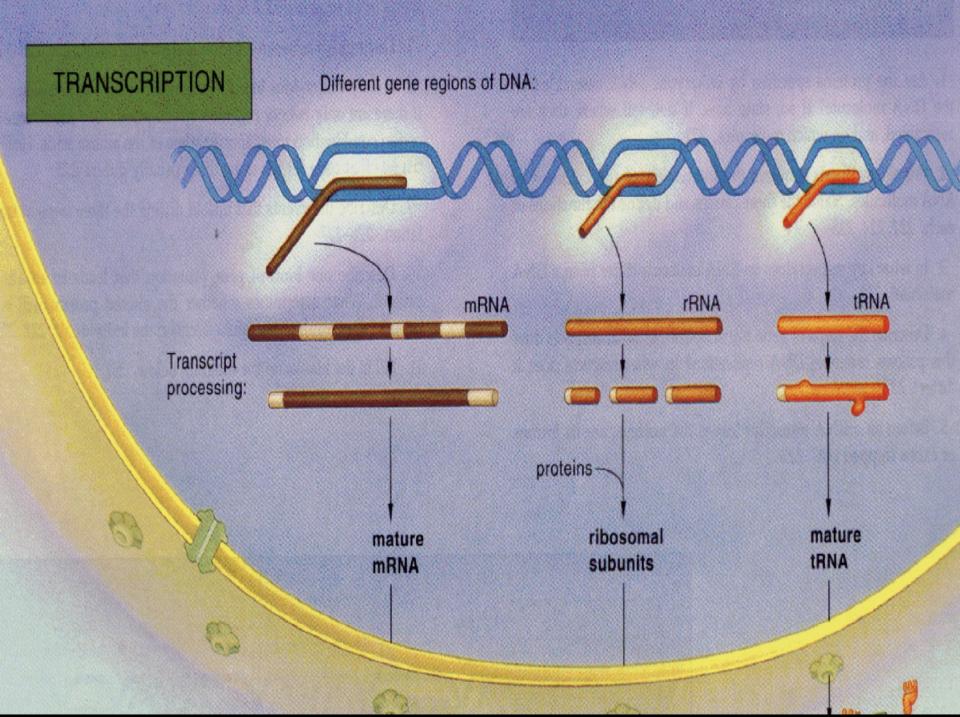
Migration,

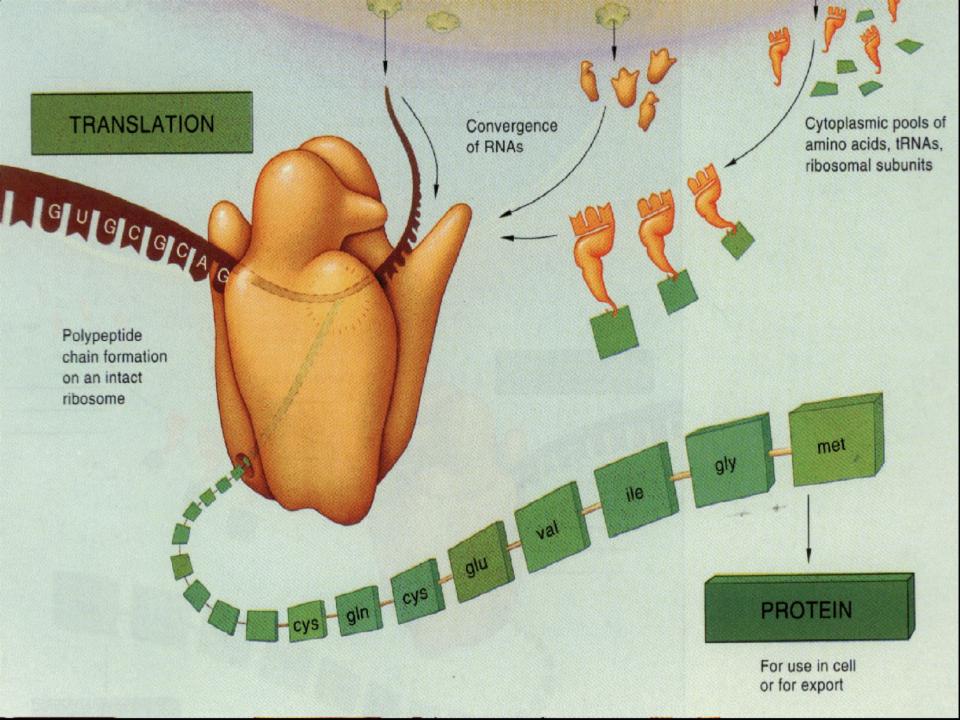
& Translation

for Protein Building







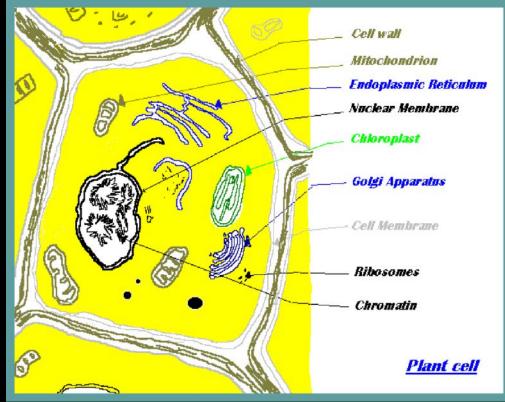


The Marvelous Living Cell

"A living cell is a marvel of detailed and complex architecture. Seen through a microscope there is an appearance of almost frenetic activity. On a deeper level it is known that molecules are being synthesized at an enormous rate. Almost any enzyme catalyzes the synthesis of more than 100 other molecules per second. In ten minutes, a sizable fraction of the total mass of a metabolizing bacterial cell has been synthesized. The information content of a simple cell has been estimated as around 10¹² bits, comparable to about a hundred million pages of the Encyclopedia Britannica." Sagan, "Life," *Encyclopedia Britannica: Macropaedia* 894 (15 ed. 1974)

The Marvelous Living Cell

Over 200,000 molecules are being built per second



SETI

Search for Extra - Terrestrial Intelligence

Signal Received from Space

If we received a message from space containing just the genetic code and an explanation of how it is used to build proteins, everyone would conclude the source was intelligent!! Intelligent Design or Natural Causes Which is more reasonable?

- "Everywhere we look, from the macroscopic to the microscopic things look like they are MADE"
- "A loud, clear, piercing cry of DESIGN!!"

Darwin's Black Box by Dr. M. Behe

Is It Reasonable to Believe in God in this Scientific Age?

It is more reasonable than ever!!!