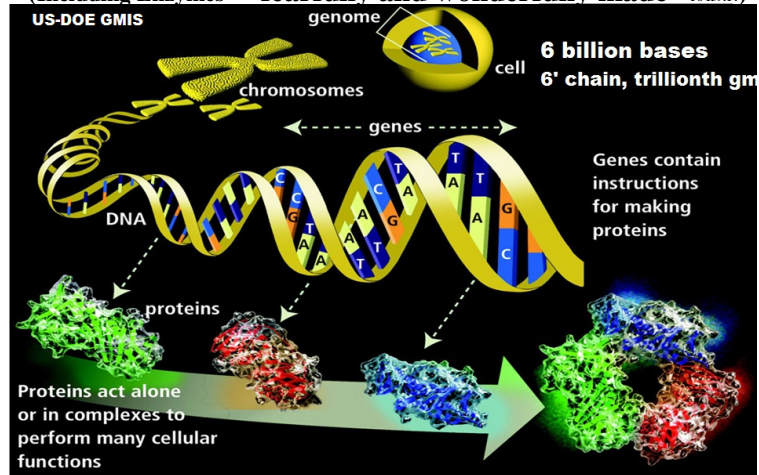


Simplified Genetic Code for Protein Construction

(Including Enzymes-- "fearfully and wonderfully made" Ps 139:14)



Life is "fearfully and wonderfully made" Ps 139:14

Digital (base 4, ACGT) self-correcting encoded information

Information in 1 teaspoon of DNA: all people + all books

DNA/RNA/proteins must be fully-formed/functional

Each of >100,000 proteins is program execution output

ATP production needs: DNA code, 10 proteins, & ATP

Any protein requires >150 existing proteins

Slowest reaction takes > 1 trillion yrs (0.01 sec w/enzyme)

Membrane permits/denies passage to 1000s compounds

Organelles perform nutrition, repair, waste disposal, communication, and reproduction

Manufacturing hemoglobin requires 2.5×10^{16} ops/sec

100 billion neurons in human brain, each linked to 10,000 other neurons

Brain performs 10^{16} ops/sec (> all computers in the world)

1 sec of optic nerve's data: hours on supercomputer

Talking: > 10^5 neuromuscular events/sec, using >100 muscles (controlling diaphragm, tongue, cheeks, jaw, etc.)

Interesting Observations

"Human DNA is like a computer program but far, far more advanced than any software we've ever created." Bill Gates, *The Road Ahead*, 1995, p.228.

"Each nucleus ... contains a digitally coded database larger, in information content, than all thirty volumes of the Encyclopedia Britannica." Dawkins, *Climbing Mt Improbable*

"Biology is the study of complicated things that give the appearance of having been designed for a purpose." Dawkins, *The Blind Watchmaker*, p. 1

"Life is basically the result of an information process, a software process. Our genetic code is our software." Venter 2010 Guardian interview concerning construction of an "artificial genome"

"Although they claimed to be wise, they became fools and exchanged the glory of the immortal God for images made to look like man and birds and animals and reptiles." (Rom 1:22)

Information Systems in Life

- There are multiple OSs, multiple programming languages, encoding/decoding hardware and software, specialized communications systems, error detection and correction mechanisms, specialized input/output channels for organelle control and feedback, and variety of specialized "devices" to accomplish the tasks of life.

"Those who insist on undirected natural causes of life are thus in an untenable position when it comes to known science. Not only can they not prove that it's possible (nonzero probability) for life to come about by undirected natural processes, but the information content of life precludes that possibility." Don Johnson, *Probability's Nature and Nature's Probability*, 2009, p54

Universe insights

- “He sits enthroned above the circle of the earth.” (Isa. 40:22)
- “He suspends the earth over nothing.” (Job 26:7)
- “He .. fixed securely the fountains of the deep.” (Prov. 8:27)
- Deep valleys in the ocean (>5 mi) described in Ps 104.
- The water cycle is described in Ecc 1:6-7 and Job 36:27-29
“He binds up the water in His thick clouds, yet the clouds are not broken under it.” (Job 26:8)

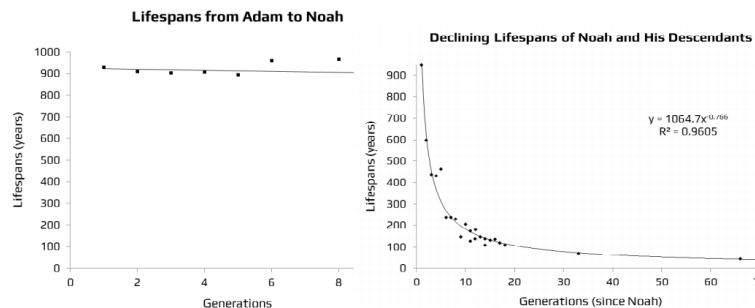
Astronomy:

- “He stretches out (*expanding*) the heavens like a tent.” (Ps 104:2, IS 51:13)
- “I will surely bless you and make your descendants as numerous as the stars in the sky and as the sand on the seashore.” (Gen 22:17) (a countless/measureless number in Jer. 33:22)
10¹¹ galaxies, 10¹¹ stars each (only 4,000 of 10²² viewable)
At 1% of earth’s surface as seashore 10 meters deep, the estimate of grains of sand is 10²² (<http://www.geocities.com/osarsif/astronomy.htm>)
(Note: estimate of number of people who have lived is 10¹¹)

Exponential (96% correlation) Age Decline Post-Flood

The recorded ages of the Patriarchs do in fact constitute real data, which can be analyzed scientifically. Numerous scholars have done this (Holladay and Watt, 2001).

http://media.wix.com/ugd/a704d4_1c25935b8baf493a911f7a636940e6ef.pdf



Other Scientific Insights of the Bible

- Health: Laws on washing, quarantine, & diet (esp. Lev. 13-14) “For the life of the flesh is in the blood” (Lev 17:11)
- Biology: >250 botanical terms, hundreds of animals described
- Catastrophic flood narrative implies world-wide fossil column, mass extinction, and dramatic environment change.
50’ wing-span pteranodons would require > 2 times atmosphere
Polystrate trees, human artifacts in coal, & anthropology support
- Description of crucifixion 1000 years before it existed: Ps 22
Events (1, 6-8, 18) and graphic description (14-17)
“all my bones are out of joint. My heart has turned to wax ...my tongue sticks to the roof of my mouth ...they have pierced my hands and feet. I can count all my bones”
Pericardial infusion: heart like wax (Jn. 19:34-35)
(Jesus literally died from a broken heart)

Archaeological verifications

(things "higher criticism" discounted)

- Ebla Tablets include descriptions of many Biblical people, cities (Sodom, Gomorrah, Zoar, Jerusalem, Salim) and Creation
- Jericho's walls (Josh. 6:20) DID fall flat
- Annihilated Canaanite tribes (Edomites, Moabites, etc.) existed
- The events/circumstances of Daniel have been substantiated
- Dead Sea Scrolls verified many people, places, and events of New Testament
- "The excessive skepticism shown toward the Bible...has been progressively discredited. Discovery after discovery has established the accuracy of the Bible as a source of history." (The Archaeology of Palestine)

Statistical Probabilities of Fulfilled Specific Prophecies

1 Chance in:

- Tyre: 7×10^7 Samaria: 4×10^4 Edom: 1×10^4
Babylon: 5×10^9 Jerusalem: 8×10^{10} Jerico: 2×10^5
Moab: 1×10^3 Palestine: 2×10^5 Gaza: 1×10^4
- For all 9 of the above to occur: 1 in 2×10^{54}
- e.g., Tyre (Ezekial 26:3-21, 570 BC) prophecies include:
Nebuchadnezzar destroys (v8): in 538 BC
Many nations against (v3): included Babylonia, Greece, etc.
Into sea to be a bare rock (v4-5,12) : Alexander (332 BC)
Never rebuilt (v14,21): today fishermen dry their nets there
- Calculated probability of 48 Messianic prophecies is 1 in 10^{157} (Jesus uniquely fulfilled 60 major prophecies) (Science Speaks, Stoner)
- Maximum estimate of universe's number of atoms: 10^{80}
- Probability of selecting a particular atom randomly: 10^{-80}

Conclusions

- **The Bible IS reliable and can be trusted – “All Scripture is God-breathed and is useful for teaching...”** (2 Tim. 3:16).
- **Christian faith is fact-based, not "blind" or "anti-logic“** – “You will know the truth, and the truth will set you free.” (Jn. 8:32).
- **Our knowledge on any subject is limited – “Now we see but a poor reflection as in a mirror.”** (1 Cor 13:12).
- **Proven reliability increases confidence in accuracy of predictions** (Heaven, Hell, judgment, salvation, etc. are based on faith).
- **The world is blind to many truths** (Rom. 1:18-32, 1 Cor. 1:18-2:16) – “They exchanged the truth of God for a lie.”

PDFs and other links available at www.4iam.org

Bible Codes: Equidistant Letter Sequences (ELS)

- Using every nth letter results in meaningful phrase
- Finding 34 most prominent rabbis: “Our referees were baffled: their prior beliefs made them think the Book of Genesis could not possibly contain meaningful references to modern-day individuals, yet when the authors carried out additional analyses and checks the effect persisted.” “ELS in the Book of Genesis,” *Statistical Science*, 1994, V9#3, 429-438

It seems to defy probability, indicating verbal inspiration

Many dismiss codes as coincidence or even occultic

“It is the glory of God to conceal a matter; to search out a matter is the glory of kings.” Pr 25:2

Useful ID References

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