

Quarks to Quasars

Science for Creationists

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- I. Introduction – what and why is it important
 - a. Principles of science study
 - b. Importance of studying creation science
 - c. Purpose of these segments
 - d. Contrasts between evolution and creationism
 - i. Young earth/6 day creation
 - ii. God vs nature
 - iii. Sudden appearance without transitional forms
 - e. Evidence for creation (and against evolution):
 - i. mathematical improbability of evolution
 - ii. logic, science, experiences and testimonies
 - iii. design features
 - iv. Scripture
 - f. Evolution theory flaws/dangers

- II. Quarks and Atoms – physics to chemistry
 - a. Atoms
 - b. Quantum mechanics, Big Bang, String theory
 - c. Relativity - Light, time, space, matter
 - d. Measurements, chemical evolution
 - e. Isotopic dating
 - f. Subatomic particles – quarks, particle physics, forces

- III. Molecules and Cells – chemistry to cells (almost)
 - a. Central dogma: DNA to RNA to proteins, but... many complex systems yet great order
 - b. proteins
 - i. amino acids, chirality, structure
 - ii. DNA to RNA to proteins
 - iii. Consider the math... improbable.
 - c. DNA, nucleic acids (genes, operons, chromosomes)
 - d. Transcription to RNA – complex preexisting proteins

- e. Translation to proteins – equally complex components, transport mechanisms, ribosome
 - f. Mutations – an important mechanism to evolution
 - i. But represent loss of information; or “uncovering” code of hidden information
 - g. Other organic molecules with complex, interdependent synthesis/regulation mechanisms
 - i. Carbohydrates, lipids, amalgams
 - h. ENERGY
 - i. Krebs cycle, photosynthesis, electron transport chain
 - ii. Many preexisting components (proteins)
 - iii. Great efficiency, order - but COMPLEX
 - iv. again, consider the math!
 - i. These are major problems for evolution to explain
- IV. Cells=Life – cells to biology
- a. Abiogenesis – life from nonlife – A BIG DEAL!!
 - b. What is a cell?
 - i. Categories; differentiation
 - ii. components (organelles) and processes– even the “simplest” being is not simple
 - 1. energy, movement
 - 2. reproduction/cell division
 - 3. DNA duplication
 - 4. Mitosis/meiosis
 - a. the mechanism of evolution rests on this (mutations), but does not fit
 - b. genetics –complex; much can go wrong (and information lost forever)
 - c. The bigger scale – embryology
 - 5. Cell cycle, apoptosis – another level of control/regulation
 - iii. HUGE STEP: Need a cell to form (abiogenesis)
 - 1. What would it take? – 12 steps of Tan/Stadler
 - 2. Venter’s Synthia
- V. Life to Man
- a. Population principles/arguments/math
 - b. Classification of life (Taxonomy)
 - i. Homology
 - ii. Fossil strata/geological ages, common ancestor (“tree of life”)

iii. KaPaCOFaGS

1. Animalia, Chordata, Mammals, Primates, Hominids

- c. “Journey to man” – each step along phylogeny involves monumental changes
- d. Problems: ideology, imagination, hoaxes, other topics that are unique to Man as God’s special creation; 6000 yr convergence

VI. Other creeping things – design and complexity without transition

- a. design/complexities across life’s spectrum
- b. Microorganisms – antibiotic resistance is not evolution
- c. Life from the sea?
- d. Plants – complex systems of energy, design features
- e. Parasites – byproducts of sin
- f. Insects
 - i. irreducible complexity – eg bombardier beetle
 - ii. peppered moth – an evolution darling, likely a hoax
 - iii. ants are complex, social
 - iv. ubiquitous chitin; metamorphosis
- g. spiders – complexity of webs
- h. Fish, amphibians, reptiles, mammals
 - i. Design – eg heart development
 - ii. Molting, hibernation, mass migration, symbioses, camouflage
 - iii. Egg changes; cold/warm blooded
 - iv. Dragons/dinosaurs
- i. Problems with evolution
 - i. Flight, eggs, distribution of fossils
 - ii. Living fossils, “wrong” order in strata
 - iii. Extraterrestrial life

VII. Earth and Geology – earth made for man

- a. Geologic columns tautology
- b. dating problems – radiometric, dendrochronology, ice layers, mineral content, magnetic field decay
- c. young earth and observed appearances of age
 - i. canyons, caves
 - ii. sediments, effluxes, influxes, Sun, Moon
- d. where is all the leftover stuff?
- e. design
 - i. atmosphere, water, water cycle, nitrogen cycle
- f. Flood evidences

- i. Many civilizations with an account
- ii. Springs of the sea
- iii. Ice age
- iv. Mountain formation, earthquakes, tectonic plate activity
- v. Fossil record/dinosaur extinction more consistent with flood
- g. Logic of simple explanation (Occam's razor); Earth for man

VIII. Heavens – man in the universe

- a. Evolution origin of universe – Big Bang
 - i. Red Shift
 - ii. inconsistencies w Big Bang
- b. Ways to explore universe – telescopes, space telescopes, space craft probes
- c. Celestial motion
- d. gamut of celestial bodies
 - i. stars, supernova, nebula, black holes, pulsars
 - ii. our solar system – planets, moons, asteroids, sun, comets, meteors, auroras, Kuiper Belt, Oort cloud, Trans Neptune Objects (TNOs)(eg Pluto)
 - iii. measuring things in universe
 - iv. beyond our solar system – galaxies, quasars, exoplanets
- e. Celestial miracles – star of Bethlehem, Joshua's long day, etc
- f. Why so much seemingly random detail – demonstrate shortcomings of existing theory; example of how great is our God!

IX. Human Organs – The stage is set!

- a. endless examples of design
- b. organs – functional units, complex infrastructure, vital functions
 - i. mistakes in design would likely be fatal to organism
 - ii. vestigial organs – God does not make mistakes!
 - iii. Examples – so much is all or none; can't have steps
 - 1. Skin, GI system, liver, kidneys, circulatory system (blood, heart), lungs, brain, 6+ senses, skeletal system
- c. tissues – control/regulation
 - i. types: epithelial, nervous, muscle, connective
- d. systems – irreducible complexity
 - i. biochemically complex
 - ii. eg. Clotting, membrane protein complexes, endocrine, immune system
- e. Reproduction

- i. “self sustaining” – how could that have developed naturally?
 - ii. Embryology – steps to make the “product” are COMPLEX!
 - 1. Some of the directing mechanisms are understood shallowly only
 - 2. How could the mechanism, the expression, the control be “natural” or have gotten to this stage naturally?
 - iii. Pregnancy, placenta, birth – cataclysmic changes with systems to direct, to time, to control
 - f. Conclusion: thousands of systems exist, even more complex to consider how to control, had to work together from start
 - i. Not enough time
 - ii. Irreducible complexity
- X. Eyes by Design – just ONE of these organs
- a. Not just a camera
 - b. interwoven, steps impossible
 - c. components of eyes and vision
 - i. anatomy
 - ii. local functions
 - d. integration with other system
 - e. evolution model (Nilsson-Pelger model) is mathematically impossible (naïve - LaMarkian)
 - f. Many examples of design
 - i. Fish
 - ii. Amphibians, reptiles, birds, mammals
 - g. Things primates have “lost”
- XI. History of Creationism vs Evolution –
- a. Origin of creationism
 - i. Bible
 - ii. Other civilizations
 - iii. History replete with scientists who were creationists
 - b. Undermining by secular/evolution thought
 - i. anti-God (sheep in wolves’ clothing)
 - ii. compromised Christians
 - c. Attack of creationism/Biblical truths
 - i. Legal
 - ii. Humanist thought
 - iii. Social implications
 - iv. 20th century evolutionists

- d. Christian compromising theories
 - i. Theistic evolution, Day-Age, Gap Theory
- e. Revival of Creationism
 - i. Intelligent design/irreducible complexity
 - ii. Literalist
 - iii. Contrast to implications of evolution thought

XII. Scriptural Basis of Creationism

- a. God's Word is clear – Old Testament, New Testament, Jesus's quotes
- b. Importance and support for literal translation (including 6 day creation)
- c. Unbelief predicted – increased entropy/sin
- d. Warning about deception
- e. Admonished about Christians compromising
- f. Revelation to believers and unbelievers
- g. Multiple theological problems with evolution
 - a. Death before sin
 - b. No purpose
 - c. Ignores need for God
 - d. Sin/atonements denied
- h. Evangelism
- i. Creationism validates, parallels, is fully consistent with other doctrine

Creation Bibliography

Abbott EA. Flatland (1884). Online FREE! <https://ned.ipac.caltech.edu/level5/Abbott/paper.pdf>

***Whitcomb JC, Morris HM. The Genesis Flood. 1961, but 50th anniversary edition 2011. A seminal work in creation science. This is a must read for anyone interested in creation.

Davis P, Kenyon DH. Of Pandas and People. Houghton Publishing. 1989, 93. Fairly short, very readable for a younger student, nonscience person. Was meant as a textbook, as discussed.

**Behe MJ. Darwin's Black Box. Touchstone 1996. A good presentation of intelligent design. Not a fundamentalist author.

*Spetner L. Not By Chance. Judaica Press, 1997. An accomplished biochemist, nonChristian Jewish. Nicely lays out the improbability argument with calculations. I believe molecular biology like this is the most compelling against evolution.

Denton M. Evolution: A Theory in Crisis. Adler and Adler, 1986. Molecular biologist. Darwinism skeptic with nice survey of several aspects of evolution.

*Tan CL, Stadler. The Stairway To Life. ?self published, 2020. Nice breakdown of what it would take for a cell to form (improbabilities). Organic Chemist and Engineer - sophisticated scientific approach.

Johnson PE. Darwin on Trial. Intervarsity Press, 1993. Long time law professor at Berkeley. Now works with ICR. Strong Christian perspective. Legal argument approach.

Oard MJ. Creation Book Publishers, 2019. Christian perspective on the inadequacy of long time to explain or to allow evolution to occur. Fairly low science knowledge needed.

Gish DT. Evolution: The Fossils Still Say No! ICR, 1995. Biochemist by training. Very strong, experienced debater in favor of creation. This focuses on inadequacy of fossil record, his strongest suit.

Lubenow ML. Bones of Contention. Baker Book House, 1992. Another expert on fossil record as it applies to the debate. At least closely allied with ICR, might have been on their staff.

Medina J. The Outer Limits of Life. Nelson, 1991. Christian molecular biologist surveys several biology issues that demonstrate evolution improbability, etc.

For balance (evolutionists):

Darwin C. The Origin of Species (originally 1859; many versions). Any public library should have this.

Dawkins R. Climbing Mount Improbable. Norton and Co 1996). A "modern" evolutionist, atheist. Acclaimed but really not in anyway convincing, conclusive for evolution's argument. Many other books he has written (perhaps most read is The Blind Watchmaker; I have not read any of his other works)

Scripture references (1-10)

Psa 111:2
Prov 1:5-7
Prov 25:2
Ecc 1:13
Gen 2:17
Gen 3:3
2Pet 3:5
Matt 10:33
Ecc 8:17
Psa 11:3
Isa 58:12
Prov 24:5
Prov 2:6
Hos 4:6
Exo 23:2
Rev 1:8, 17-18
Rev 21:6-7
Isa 44:6
Isa 48:12
Rev 21:16
Isa 57:15
Isa 42:9
Isa 48:5
John 8:32

1John 3:2
Lev 11:20-24
Prov 17:12
Heb 10:25
Gen 6:4
Psa 19:1-6
Psa 50:6
Psa 97:6
Psa 2:1, 4
Psa 8:3-4
Gen 1-3
Prov 8:27
Isa 40:22
Job 9:8-9
Job 26:31-33
Amos 5:8
Isa 27:1
Rev 12:1-4, 15
Deut 4:14-19
2Chron 18:18
Neh 9:6
Gen 2:1
Rev 12:4, 7-9
Isa 47:13-14
Dan 1:20;
2:27;4:7;5:7-8

John 8:44
Rev 12:9
Psa 147:4
Isa 40:26
Matt 10:30
1Cor 15:41
Isa 55:9
Josh 10:12-14
2King 20:8-11
Matt 27:45
Luke 23:44-45
Num 24:17, 19
Matt 24:29
Psa 139:14
1Cor 12:12
Acts 5:31
Rom 8:34
Col 3:1
Heb 1:3
1Pet 3:22
Acts 7:50
Job 12:10
Dut 32:41
Ruth 1:13
Gen 17:10-12
Prov 20:12

History of Creation/
Evolution Debate

2Cor 4:3-4

Psa 118:8

1Sam 17:45

John 11:35

Gen 11, 14-19,
21, 29

Gen 2:5

Gen 1:1-2

Isa 45:18

Ezek 28:17

Gen 1:26-28

Gen 3:3

Exod 20:11

Gen 1:31

Rom 5:12

Eccl 1:9

Scriptural Basis
for Creationism

Deut 43:4

Titus 1:2

1John 3:20

Psa 147:5

1Cor 8:1-2

Gen 1:27

1Cor 15:21

Rom 5:12

1Kings 17:24

Psa 33:4

1Thes 2:13

2 Tim 3:16

John 17:17

Matt 7:12

Mark 7:20-23

1Cor 6:9-11

1Cor 15:33

Matt 6:24

Gal 5:19-21

1Cor 14:33a

Gen 1:1

John 1:3

Mark 13:19

Luke 11:50-51

John 3:12

Psa 19:7-9

1Cor 15:14

Isa 14:12

Rev 12:9

Luke 1:6

Eccl 2:2

John 12:31

John 16:11

1John 5:19

1Pet 3:3-5

Rom 1:22	John 5:46-47	John 1:5
Rom 1:25	Rom 5:12	Matt 7:17
1Cor 8:5	Gen 3:18	Jas 3:12
Matt 24:24	Isa 55:8-9	Exod 23:2
1Cor 1:18-21	Prov 3:5	Job 12:7-8
Psa 107:10-11	Rom 9:20	Isa 55:9
Psa 2:1-4	Rom 1:25	Psa 8:8
2Cor 4:4	John 1:1	1Pet 3:15
2Pet 1:19	Psa 90:2	Isa 1:18
Eph 6:12	Prov 8:22-23	Heb 11:3
John 8:44	Rev 1:8	1Thes 5:21
Eph 6:11	Gen 1:31	Rom 1:16
Jas 4:7	Gen 2:1-3	Luke 9:20
Rom 16:20	2Pet 3:5	
Rev 20:10	Heb 4:3	
1King 18:21	Heb 4:10	
Heb 10:38	Exod 7:11-12	
Col 1:20	2Thes 2:9	
Acts 17:23-25	Rom 1:18, 20	