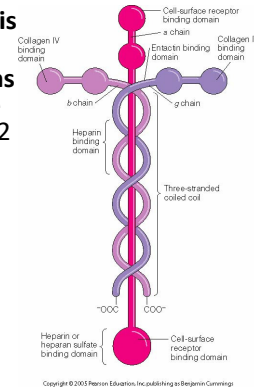


Universe is “fine-tuned” to allow for life

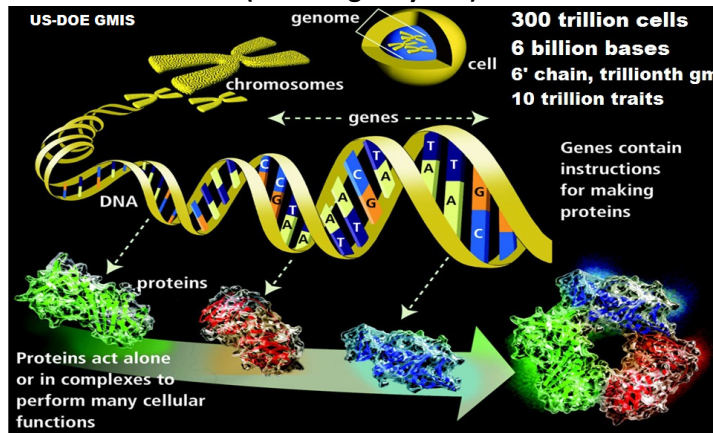
- “An accuracy of one part in $10^{10^{123}}$...the precision needed to set the universe on its course.” Penrose in *The Emperor’s New Mind*, p.344
- “There is for me powerful evidence that there is something going on behind it all.... It seems as though somebody has fine-tuned nature’s numbers to make the Universe.... The impression of design is overwhelming.” Paul Davies, *The Cosmic Blueprint: New Discoveries in Nature’s Creative Ability To Order the Universe*, 1988, p203
- “A common sense interpretation of the facts suggests that a superintellect has monkeyed with the physics” [F. Hoyle, “The Universe: Past and Present Reflections,” *Engineering and Science*, 11/81U, p8-12]
- “He who fashioned and made the earth, He founded it; He did not create it to be empty, but formed it to be inhabited.” (Is. 45:18)

God’s Sustaining Word

- “His work has been finished since the creation of the world.” Heb. 4:4
- “The Son is...sustaining all things by this powerful word.” Heb. 1:3
- “By the same word the present heavens and earth are reserved for fire ... the elements will be destroyed by fire.” 2 Pet 3:7-10
- The repulsive forces in a nucleus “should” make it explode (“gluons” are proposed as a solution)
- “In him all things hold together.” Col 1:17
- Laminin protein assemblies are integral parts of the structural scaffolding in almost every tissue of an organism.



Simplified Genetic Code for Constructing Proteins (Including Enzymes)



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)

In each of 300 trillion cells, 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 cell component control and feedback, and variety of specialized “devices” to accomplish the tasks of life

100 billion neurons in human brain, each linked to 10,000 other neurons
 Brain performs 10^{16} ops/sec (> all computers in the world)

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)

Neo-Darwinian Biology

"Each successive change in the gradual evolutionary process was simple enough, relative to its predecessor, to have arisen by chance."
(Dawkins, The Blind Watchmaker, 1996, p43)

"If it could be demonstrated that any complex organ existed which could not possibly have been formed by numerous, successive, slight modifications, my theory would absolutely break down" Darwin, Origin of Species, p154

"The failure to observe even one mutation that adds information is more than just a failure to support the theory. It is evidence against the ... neo-Darwinian theory." *(Spector, Not By Chance, p160)*

Biblical Origin of Life

"Then God said, 'Let the land produce vegetation'"
Gen 1:11 (day 3)

"And God said, 'Let the water teem with living creatures, and let birds fly above the earth across the expanse of the sky.'" Gen 1:20 (day 5)

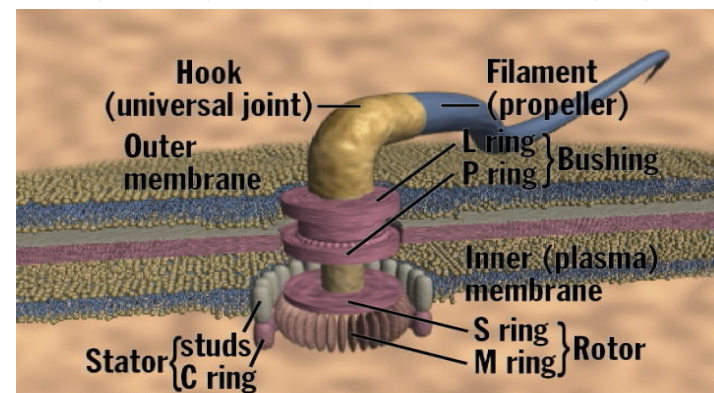
"And God said, 'Let the land produce living creatures according to their kinds.'" 1:24 (day 6)

"Then God said, 'Let us make man in our image'... in the image of God he created him; male and female he created them... God formed the man from the dust of the ground and breathed into his nostrils the breath of life." Gen 1:26-27 & 2:7 (day 6)

Bacterial Flagellum: Irreducibly Complex

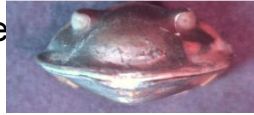
48+ proteins (>30 unique): <1 in $10^{5.250}$ sequence probability

Each protein produced by execution of a program



Lowest Stratum Trilobite Eye

- Transparent calcium carbonate
- “Trilobites had solved a very



elegant physical problem and apparently knew about Fermat's principle, Abbe's sine law, Snell's laws of refraction and the optics of birefringent crystals.” Clarkson & Levi-Setti, “Trilobite Eyes and the Optics of Des Cartes and Huygens,” *Nature*: 254, 4/24/75, p663 - 667

- “These lenses optimize both light collecting and image formation better than any lens...that optical physics has ever been able to formulate.” N. Eldredge, “A Trilobite Panorama in Eastern North America,” *Fossils Magazine*: 1, 1976, p58-67
- “The design of the trilobite's eye lens could well qualify for a patent disclosure.” R. Levi-Setti, *Trilobites: A photographic atlas* (2nd edition), 1993, p58

Sudden Appearance and Fixity of Kinds

“according to their kinds” (Gen 1)

“Most of the animal phyla that are represented in the fossil record first appear, ‘fully formed,’ in the Cambrian... The fossil record is therefore of no help with respect to the origin and early diversification of the various animal phyla.” Barnes, Clow & Olive, *The Invertebrates*, 2001, p9–10

“It is as though they were just planted there, without any evolutionary history.” Richard Dawkins, *The Blind Watchmaker*, 1996, p229

The fossil record supports creation with:

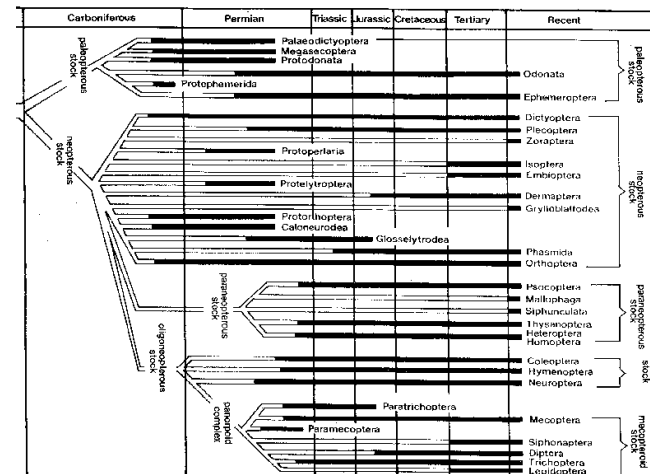
Multitude of life in the oldest fossil-bearing rocks

Fixity of species over "eons" of time

NO transitional forms, though claimed – Tiktaalik

10 million years older tetrapod found! *Nature* (463), 2010, p43-48

Actual (black) vs. Presumed Connections (77 Ency. Brit.)



Darwinism Revisited

- “The complexity of biology has seemed to grow by orders of magnitude... Biology's new glimpse at a universe of non-coding DNA has been fascinating and befuddling... the signaling information in cells is organized through networks of information rather than simple discrete pathways. It's infinitely more complex.” E. Hayden, “Life is Complicated,” *Nature*, 4/10, p664-7
- <2% of the genome codes for protein, the rest was considered to be “Junk DNA”
- “Creationists might spend some earnest time speculating on why the Creator should bother to litter genomes with untranslated pseudogenes and junk tandem repeat DNA.” Richard Dawkins, “The Information Challenge,” 2004
- 30 papers published In Fall of 2012 shows KNOWN function of >80% of DNA (it's NOT junk!)

Intelligent Design vs Creationism

- ID “holds that certain features of the universe and of living things are best explained by an intelligent cause, not an undirected process such as natural selection. Through the study and analysis of a system's components, a design theorist is able to determine whether various natural structures are the product of chance, natural law, intelligent design, or some combination thereof.” (Discovery Institute Website)
- Creationism holds that the Bible is true, and science must conform to the facts presented in the Bible, with any disparity due to incomplete human understanding.

Defeating Creationism in the Courtroom, But Not in the Classroom

Berkman & Plutzer, 1/28/11 Science. P404-405

- Only “28% of all biology teachers consistently implement the major recommendations and conclusions of the National Research Council”
- Recommended fix is for those “who cannot accept evolution as a matter of faith to pursue other careers.... [Their plan] would reduce the supply of teachers who are especially attractive to the most conservative school districts.”
- Such statements destroy the credibility of science.
- Science evidence-based (not dogmatic doctrine)

Evolution and Religion

- “As the creationists claim, belief in modern evolution makes atheists of people. One can have a religious view that is compatible with evolution only if the religious view is indistinguishable from atheism.” Will Provine, “No Free Will,”1999, in *Catching Up with the Vision*, pS123
- Evolution is “a full-fledged alternative to Christianity... Evolution is a religion. This was true of evolution in the beginning, and it is true of evolution still today.” Michael Ruse, “Saving Darwinism from the Darwinians,” *National Post*, 5/13/00

Science, Religion, and Society: the Problem of Evolution in America

(Jerry Coyne, doi: 10.1111/j.1558-5646.2012.01664.x, 4/12)

- Cites a 2011 Gallup poll that only “16% accepted that humans evolved from earlier species through a process unguided by God”
- Cites a 2005 Harris poll that just 12% of respondents thought that schools should teach only naturalistic evolution.
- Acknowledges “that America's resistance to evolution is truly a byproduct of America's extreme [theistic] religiosity”
- Coyne's solution to this problem “**is to work actively to weaken the grasp of religion on America**” (declaring jihad on theism)
- The US Supreme Court has indicated that “religious beliefs... are based... upon a faith, to which all else is subordinate or upon which all else is ultimately dependent” [US v. Seeger, 380 U.S. 163, 1965].
- A criterion requiring one to believe that “physicality is all there is” (as taught in public schools) is a **RELIGIOUS** tenet, since it cannot be proven and all else is subordinate to it. (see ussci.info links).
- “Atheism is religion, and the group... was religious in nature even though it expressly rejects a belief in a supreme being.” 2005 Appellate decision

Lewontin, Richard (Materialism)

"Our willingness to accept scientific claims that are against common sense is the key to understanding the real struggle between science and the supernatural. We take the side of science in spite of the patent absurdity of some of its constructs, in spite of its failure to fulfill many of its extravagant promises of health and life, in spite of the tolerance of the scientific community for the unsubstantiated just-so stories, because we have a prior commitment to materialism. ... materialism is absolute for we cannot allow a divine foot in the door." in The New York Review of Books (January 9, 1997)

Useful ID References

- Probability's Nature and Nature's Probability, Don Johnson (2 versions: 2009 Lite/2010 revised Scientists')
- Programming of Life, Don Johnson, 10/10, Video 8/11
- The Privileged Planet, Gonzalez & Richards, 2004
- Darwin's Black Box, Michael Behe, 1996
- Signature in the Cell, Stephen Meyer, 2009
- Darwin's Doubt, Stephen Meyer, 2013
- Uncommon Dissent, William Dembski, 2004
- arn.org, intelligentdesign.org, uncommondescent.com, scienceintegrity.org (PDFs available at www.4iam.org)

Creation/Biblically-based References

- answersingenesis.org, creation.com, icr.org, reasons.org
- The Case for A Creator, Lee Strobel, 2006
- I Don't Have Enough Faith to Be an Atheist, Geisler, 2004

Goals of This Presentation

- Science supports the insights in the Bible
- All life is filled with incredible functional complexity
- ID is not religious, but atheism is religious
- Darwinism lacks any proven scientific basis and is dead
- The Bible IS reliable and can be trusted – "All Scripture is God-breathed and is useful for teaching..." (2 Tim. 3:16)
- "The God who made the world and everything in it is the Lord of heaven and earth." Acts 17:24 (evangelism)
- 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). Study & "Always be prepared to give an answer" 1 Pet 3:15
- Our knowledge on any subject is limited – "Now we see but a poor reflection as in a mirror." (1 Cor 13:12).
- 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."

3.7 million-year old Laetoli Footprints

- "They looked so human-like, some scientists had a hard time believing that they were made by Australopithecus afarensis (Lucy's species), the only human ancestor known to have lived at the time." PBS
- Footprints are "indistinguishable from those of modern humans" Anderson, New Scientist 98:373, 1983

