

THE NO.1 BEST SELLER

“A story about the Bible”

Always be prepared to give an answer to everyone who asks you to give the reason for the hope that you have. But do this with gentleness and respect, **1 Peter 3:15**

The Bible surpasses all other literature in production and circulation.

After the Bible, the book most translated is...

The Adventures of Pinocchio, in over 300 languages!

The Bible has been translated into 2,883 languages. Although this is only 42% of the world's 6,901 known languages.

That does, however, represent 80% of the estimated 7.26 billion people worldwide.

Scientists agree that in a trillion trillionth of a second, the universe expanded at an extraordinary speed from the size of something smaller than a pebble to its current astronomical scope.....

In the Beginning God said....

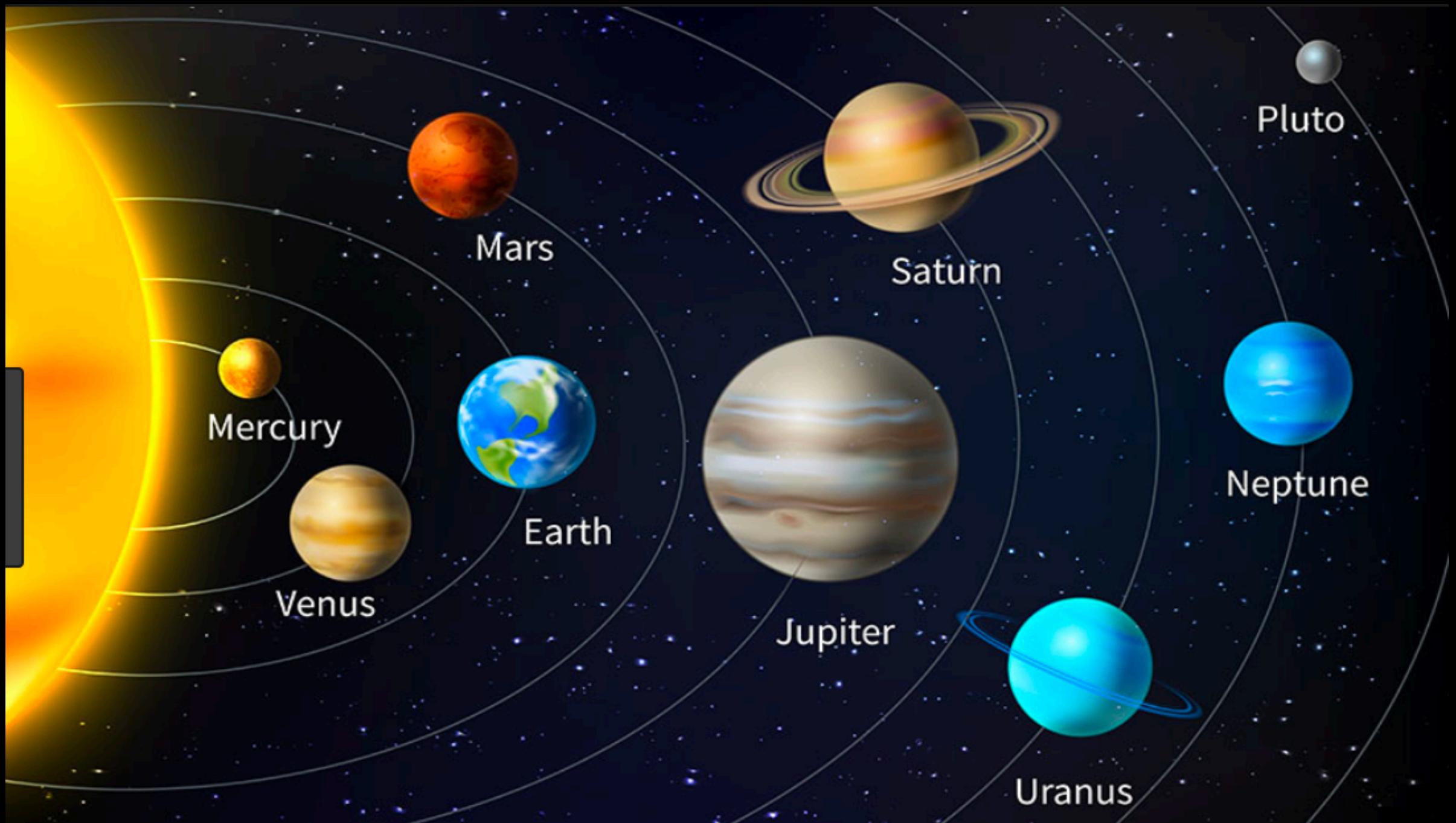
A fine-tuned universe needs:

- 1.The right kind of dimensions in space and time.
- 2.The right kind of space.
- 3.The fundamental forces of nature.
- 4.Rare conditions on Earth.

MILKY WAY GALAXY

You are here







What happens when we assign probability to the fine tuning of nature?

10^{229}

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THE HUMAN CELL



Cells are the machinery of life. Much of the bustling activity in the human cell results from proteins performing specific tasks in designated compartments, the organelles. This poster describes the results and ongoing creation of an image-based atlas of the subcellular distribution of the human proteome. Explore it further at www.proteinatlas.org.

THE HUMAN PROTEIN ATLAS

The Human Protein Atlas presents the translated human genome captured in millions of images collected using high-resolution microscopy. The Cell Atlas, Tissue Atlas, and Cancer Atlas provide a comprehensive overview of gene expression-together with the spatial distribution of corresponding proteins-across organs, tissues, and cell lines at subcellular resolution.



ORGANELLE PROTEOME

The cellular function of proteins is dictated by their location and interactions with other proteins or substrates. Revealing the human proteome's spatial distribution is thus essential to understanding cell biology. By visualizing the nonsecreted human proteome using high-resolution confocal microscopy, the molecular composition of organelles and substructures has been determined.



MULTILOCALIZING PROTEOME

Over one-third of human proteins are found in multiple organelles. The presence of a single protein at several locations may reflect its dynamic distribution, and suggests multiple roles in cell physiology. Understanding the multilocalizing proteome is key for discovering novel pathways underpinning cellular dynamics and developing a holistic view of the human cell.

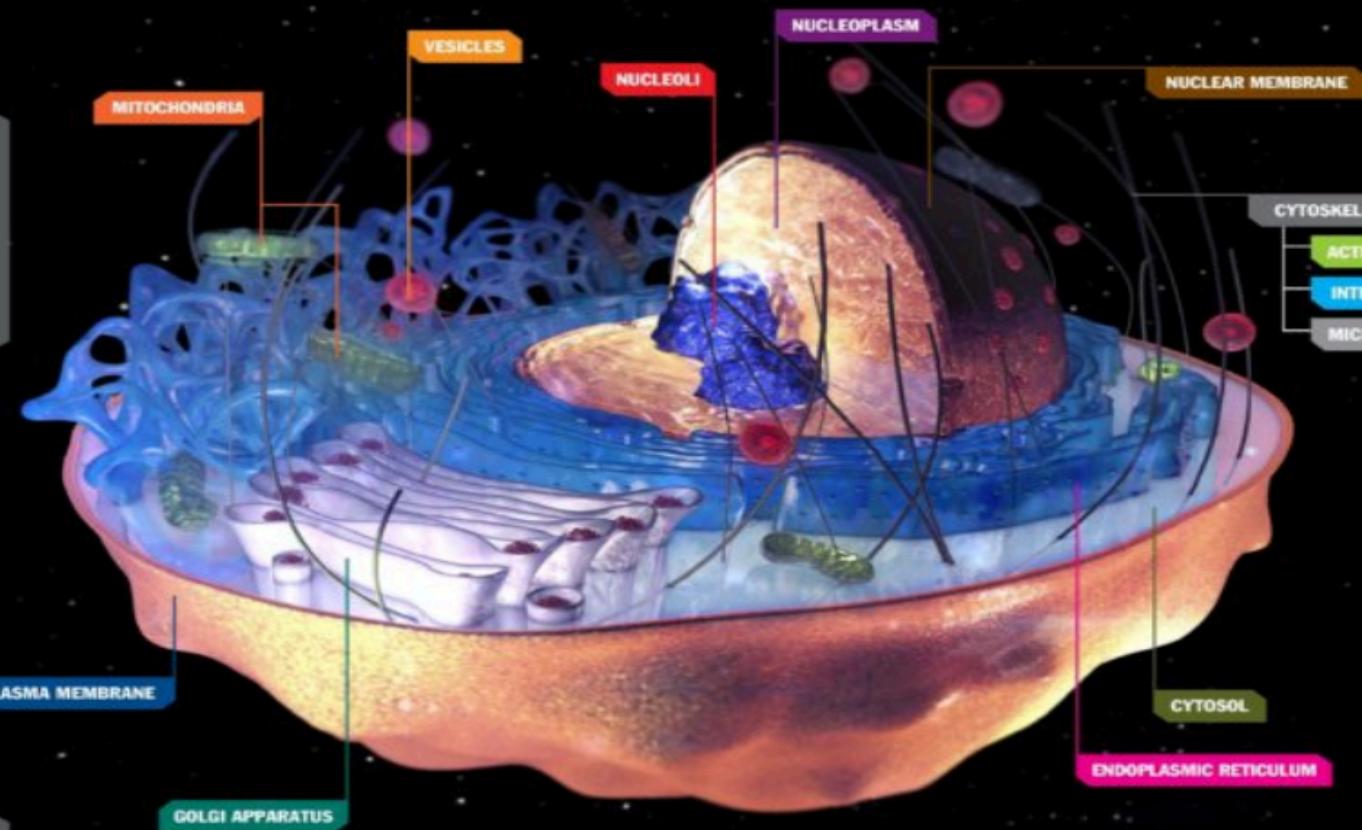


CELL CYCLE-DEPENDENT PROTEOME

The cell cycle describes the process by which cells grow and divide. This dynamic and tightly regulated process drives changes in abundance and spatial redistribution

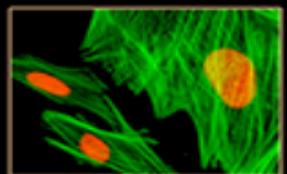
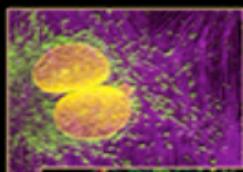
CELL LINE TRANSCRIPTOME

Expression of protein-coding genes has been analyzed in a large set of human cell lines of different cellular origins. One-third of all genes are differentially expressed, indica-



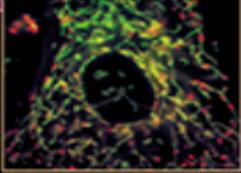
The illuminated cell

thermofisher.com/illuminatedcellposter



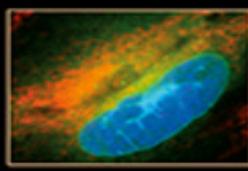
14. Nucleus

C1068 CellLight™ Nucleus-GFP, BacMan 2.0
C1069 CellLight™ Nucleus-GFP, BacMan 2.0
C1070 CellLight™ Nucleus-RFP, BacMan 2.0
C1071 CellLight™ Histone 2B-GFP, BacMan 2.0
C1072 CellLight™ Histone 2B-RFP, BacMan 2.0
S1356 DAPI
H3205 HCS NuclearMask™ Blue Stain
H3206 HCS NuclearMask™ Red Stain
H3204 HCS NuclearMask™ Deep Red Stain
H5279 Hoechst® 33342



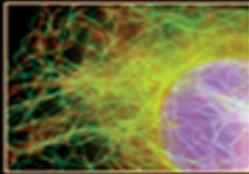
13. Mitochondria

C1068 CellLight™ Mitochondria-GFP, BacMan 2.0
C1069 CellLight™ Mitochondria-RFP, BacMan 2.0
M7114 Mitotracker® Green PM
M7115 Mitotracker® Orange CMTPN
M7112 Mitotracker® Red CNTRP
M52025 Mitotracker® Red PM
M52026 Mitotracker® Deep Red PM
T9164 JC-1
9881 Tetramethylrhodamine Methyl Ester (TMRE)



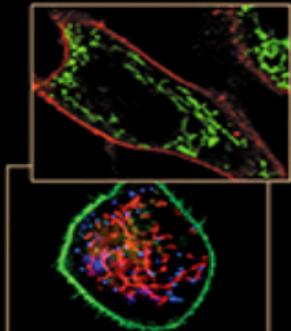
12. Nuclear envelope

330485 Anti-Lamin B1 Mouse Monoclonal Antibody
332100 Anti-Lamin B2 Mouse Monoclonal Antibody



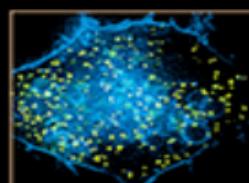
11. Cytoskeleton: Tubulin

A11128 Anti- α -Tubulin Mouse Monoclonal Antibody
A11129 Anti- β -Tubulin Mouse Monoclonal Antibody, Alexa Fluor® 488 conjugate
C10612 CellLight™ Tubulin-GFP, BacMan 2.0
C10614 CellLight™ Tubulin-RFP, BacMan 2.0
T54075 Tubulin Tracker® Green



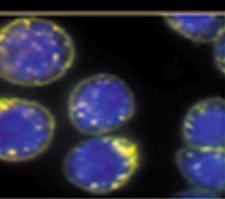
10. Plasma membrane and cell junctions

C10604 CellLight™ Plasma Membrane-GFP, BacMan 2.0
C10607 CellLight™ Plasma Membrane-GFP, BacMan 2.0
C10608 CellLight™ Plasma Membrane-RFP, BacMan 2.0
C10611 CellMask™ Orange Plasma Membrane Stain
E30044 CellMask™ Deep Red Plasma Membrane Stain
H71262 Wheat Germ Agglutinin, Alexa Fluor® 647 conjugate



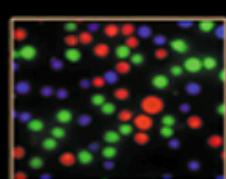
9. Peroxisomes

C10624 CellLight™ Peroxisome-GFP, BacMan 2.0
S10429 SelectFX™ Alexa Fluor® 488 Peroxisome Labeling Kit



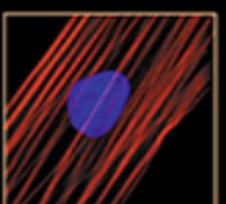
8. Lipid rafts

E10050 BODIPY® FL C₆-Ganglioside G₁
V34033 Vybrant® Alexa Fluor® 488 Lipid Raft Labeling Kit
V34034 Vybrant® Alexa Fluor® 555 Lipid Raft Labeling Kit
V34035 Vybrant® Alexa Fluor® 647 Lipid Raft Labeling Kit



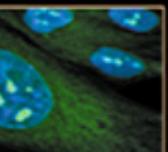
7. Cytosol

G2036P Calcium, AM
C2025 CellTracker™ Green CMFDA
C2027 CellTracker™ Orange CMFDA
G34552 CellTracker™ Red CMTPN
H20729 HCS CellMask™ Blue Stain
H20721 HCS CellMask™ Red Stain
H20723 HCS CellMask™ Deep Red Stain
G2541MP Glycoker™ S25 Cell Labeling Kit
G2542MP Glycoker™ S55 Cell Labeling Kit
G2541MP Glycoker™ S90 Cell Labeling Kit



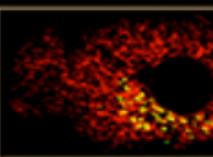
6. Cytoskeletal: Actin

R37116 ActoGreen™ 488 ReadyProbes™ Reagent
R37117 ActoRed™ 555 ReadyProbes™ Reagent
A12579 Alexa Fluor® 488 Phalloidin
A12581 Alexa Fluor® 555 Phalloidin
C10642 CellLight™ Actin-GFP, BacMan 2.0
C10643 CellLight™ Actin-RFP, BacMan 2.0
C10645 CellLight™ Ratiom-RFP, BacMan 2.0
C10642 CellLight™ Ratiom-RFP, BacMan 2.0



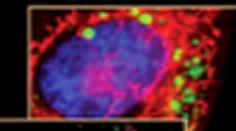
1. Nucleolus

S37013 SYTO® RNASelect™ Green Fluorescent Cell Stain



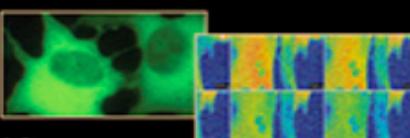
2. Endoplasmic reticulum

C10606 CellLight™ ER-GFP, BacMan 2.0
C10607 CellLight™ ER-RFP, BacMan 2.0
E3261 ER-Tracker™-Green
E3264 ER-Tracker™-Red
S34066 SelectFX™ Alexa Fluor® 488 Endoplasmic Reticulum Labeling Kit



4. Lysosomes and endosomes

C10604 CellLight™ Lysosomes-GFP, BacMan 2.0
C10605 CellLight™ Lysosomes-RFP, BacMan 2.0
C10607 CellLight™ Early Endosomes-GFP, BacMan 2.0
C10608 CellLight™ Early Endosomes-RFP, BacMan 2.0
C10609 CellLight™ Late Endosomes-GFP, BacMan 2.0
C10610 CellLight™ Late Endosomes-RFP, BacMan 2.0
L7401 Lysotracker® Yellow/Blue DND-196
L7438 Lysotracker® Green DND-29
L7439 Lysotracker® Red DND-93
L7492 Lysotracker® Deep Red



5. Biosensors

Ca²⁺
F30205 Fluo-4 NW Calcium-Resept Kit
F4201 Fluo-4-AM
F1211 Fluo-4-ZM
R223 Indo-1, AM
R2003P Rhod-2, AM

Reactive nitrogen species (RNS)
A2135 Auto-Nitrotyrosine Rabbit Polyclonal Antibody
D23444 DAF-FM Diacetate

Reactive oxygen species (ROS)
A0863 Ammonium Fluorescein (AF5)
C10444 CellROX™ Green Reagent

Mg²⁺
M1406 Mag-Fluo-4, AM
M1402 Mag-Fluo-2, AM
Zn²⁺
F1206 FluoZin™-ZM
R2034 RhodZin™-ZM, digoxigenin salt

pH

B2079 BCECF, AM

F30377 pHrodo™ Green AM Intracellular pH Indicator

F30377 pHrodo™ Red AM Intracellular pH Indicator

C1072 Carbocyanine SNARF™-1, AM acetate

invitrogen
by Thermo Fisher Scientific

The human body has an average of one hundred trillion cells.

1 day = 86,400 seconds

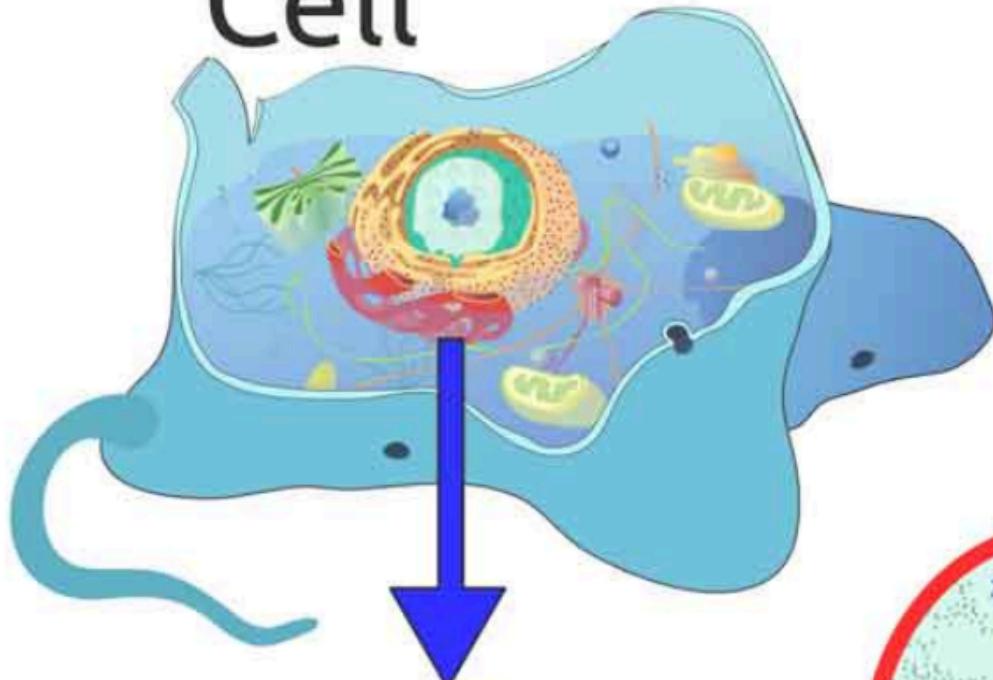
1 year = 31,536,000 seconds

1 000 000 000 = 1988

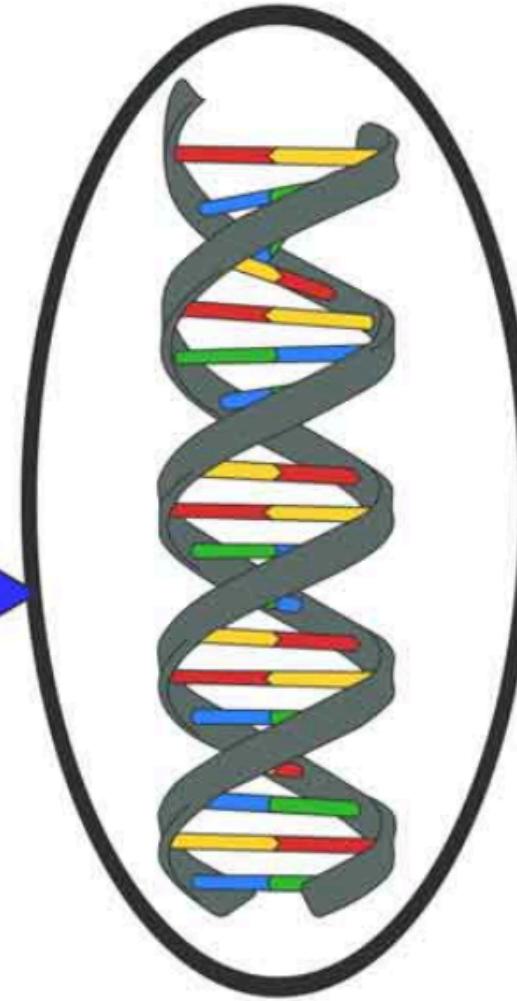
Trillion seconds = 31, 688, 765, 619 years

100 trillion =

Cell



DNA



Nucleus

Chromosome

If the DNA of an adult human were strung together, it would stretch from earth to the sun and back

... seventy times

Psalm 139:13-16

Oh yes, you shaped me first inside, then out;
you formed me in my mother's womb.

I thank you, High God—you're breathtaking!

Body and soul, I am marvellously made!

I worship in adoration—what a creation!

You know me inside and out,

 you know every bone in my body;

You know exactly how I was made, bit by bit,

 how I was sculpted from nothing into something.

Like an open book, you watched me grow from conception to birth; all the stages of my life were spread out before you,

“How can a universe of mindless matter produce beings with intrinsic ends, self – replicating capabilities and coded chemistry?” Flew.

Christianity does not require blind faith – quite the opposite.

Faith and reason are friends and partners. They go together.

Hebrews 11:1 Now faith is the substance of things hoped for, the evidence of things not seen.

Faith = **Pistis** – It means a firm persuasion, conviction, belief.

Substance = **Hypostasis** – means to place under, platform, foundation

Hoped for = **Elpizo** = to put your hope in someone – specifically in this context, God.

5 Facts about Faith.

Fact 1: Faith believes the Word of God is the final power and authority in life.

Matthew 24:35 Heaven and earth will pass away, but my words will by no means pass away.

The Word of God is powerful and lasting.

Jesus defeated the Devil with the Word. Relevant words, real life and right truth.

By faith Abel offered a more excellent sacrifice than Cain, through which he obtained witness that he was righteous, God testifying of his gifts; and through it he being dead still speaks. **Hebrews 11:4**

- Fact 2:** Faith is revealing. The higher the priority God is in our lives, the greater our faith will naturally function.

Hebrews 11:5-6 By faith Enoch was taken away so that he did not see death, “and was not found, because God had taken him;” for before he was taken he had this testimony, that he pleased God. But without faith it is impossible to please Him, for he who comes to God must believe that He is, and that He is a rewarder of those who diligently seek him.

•**Fact 3:** Faith can only be released to the degree that we believe that God is intimately present and ultimately good.

Hebrews 11:7 By faith Noah, being divinely warned of things not yet seen, moved with godly fear, prepared an ark for the saving of his household, by which he condemned the world and became heir of the righteousness which is according to faith.

•**Fact 4:** Faith acts with confidence that God knows the future and wants to guide us to safety and success.

Hebrews 11: 8-11 ⁸ By faith Abraham, when called to go to a place he would later receive as his inheritance, obeyed and went, even though he did not know where he was going. ⁹ By faith he made his home in the promised land like a stranger in a foreign country; he lived in tents, as did Isaac and Jacob, who were heirs with him of the same promise. ¹⁰ For he was looking forward to the city with foundations, whose architect and builder is God.

•**Fact 5:** Faith focusses on what is spiritual and eternal more than just what is material and temporary.

Hebrews 11:1 Now faith is the substance of things hoped for,
the evidence of things not seen.

MY CONVICTION ABOUT GOD – WHO HE IS ... IS THE
PLATFORM - for the things I am hoping for SPECIFICALLY
FROM GOD.