

Scientific Facts in the Bible



Part One: Physics Facts in the Bible

$F = \frac{q_1 q_2}{4\pi\epsilon_0 \epsilon r^2}$
 $\Phi = \int \beta \cos \alpha ds$
 $f = \frac{v_m}{l}$
 $W_n = \frac{k(\Delta x)^2}{2}$
 $C_v = \frac{i+2}{2} R$
 $I = I_0 \cos^2 \alpha$
 $M = I \bar{E}$
 $I = \frac{U}{R}$
 $\langle D \rangle = \frac{n_2 - n_1}{\lambda_2 - \lambda_1}$
 $\vec{a} = \vec{a}_n + \vec{a}_t$
 $\langle v \rangle = \frac{\Delta S}{\Delta t}$
 $\frac{\Delta S}{v} = S_n - S_t$

$\vec{E} = \sum_{i=1}^N \vec{E}_i$
 $\Psi(x)$
 $\frac{1}{\lambda} = R z^2 \left(\frac{1}{m^2} - \frac{1}{n^2} \right)$
 $h = 6.63 \cdot 10^{-34} \text{ Дж} \cdot \text{с}$
 $R = \frac{\lambda}{\Delta \lambda} = mN$
 $\rho = mg$
 $C = \frac{\epsilon_0 \epsilon S}{d}$
 $T_0 = 2\pi \sqrt{\frac{m}{k}}$
 $\chi = \ln \frac{A(t)}{A(t-T)}$
 $v_k = \frac{A}{h}$

$R = \sigma T^4$
 $T = \frac{2\pi}{\omega}$
 $\chi = \beta T$
 $\Psi_n = \sqrt{\frac{2}{l}} \sin \frac{n\pi x}{l}$
 $\omega = \sqrt{\omega_0^2 - \beta^2}$

$x = A \cos(\omega t + \alpha)$
 $\omega = 2\pi\nu$
 $\Phi = BS \cos \alpha$
 $E = mc^2$
 $h\nu = A + \frac{mv_{ma}^2}{2}$
 $\Delta m > 0$
 $\Delta m < 0$
 $C = c \cdot \mu$

$\sigma = 5.67 \cdot 10^{-8} \frac{\text{Вт}}{\text{м}^2 \cdot \text{К}^4}$
 $W = |\Psi|^2$
 $p = \frac{mv}{\sqrt{1 - \frac{v^2}{c^2}}}$
 $E = h\nu = h \frac{c}{\lambda}$

$R = \alpha \sigma T^4$
 $x = A_0 e^{-\beta t} \cos(\omega t + \alpha)$
 $\lambda_m = \frac{b}{T}$
 $b = 2.9 \cdot 10^{-3} \text{ м} \cdot \text{К}$
 $\beta = \frac{r}{2m}$
 $\Delta N = N \frac{4}{\sqrt{\pi}} e^{-u^2} u \Delta u$

$\varphi = \arctg \frac{A_1 \sin \alpha_1 + A_2 \sin \alpha_2}{A_1 \cos \alpha_1 + A_2 \cos \alpha_2}$
 $\lambda = \nu T$
 $k = \frac{2\pi}{\lambda}$
 $\Delta = m\lambda_0, m = 0, 1, 2, \dots$
 $\xi = A \cos(\omega t - kx)$
 $\rho = \vec{p}_1 + \vec{p}_2 + \dots + \vec{p}_n$

$A_p = \frac{f_0}{2\beta \sqrt{\omega_0^2 - \beta^2}}$
 $W = \frac{1}{2} m \beta^2 \omega^2$
 $\rho = nkT$
 $\langle \epsilon \rangle = \frac{3}{2} kT$

$M = Fv$
 $\Delta \varphi = \frac{2\pi}{\lambda} \Delta x$
 $\sigma = en(u_n + u_p)$
 $E_n = \frac{h^2}{8ml^2} n^2$
 $t_0 = \frac{r_0}{m}$

$\eta = \frac{1}{3} \rho \langle v \rangle \langle \omega \rangle$
 $U = \frac{1}{2} \frac{m}{n} RT$
 $\frac{pV}{T} = \frac{m}{\mu} R = 8.31$
 $v = \frac{N}{N_A} \cdot \frac{p}{\rho}$
 $\epsilon_2 = \frac{5}{2} \cdot \hbar \omega (n=2)$

$A = l \Delta \Phi$
 $q = \frac{\Delta \Phi}{\rho}$
 $\lambda = \frac{h}{p}$
 $\varphi = \frac{W}{q_0}$
 $f(\nu) = 4\pi \left(\frac{2\pi kT}{m_0} \right)^{3/2} \nu^2 e^{-\frac{m_0 \nu^2}{2kT}}$
 $\Delta u = \frac{\Delta v}{v_0}$

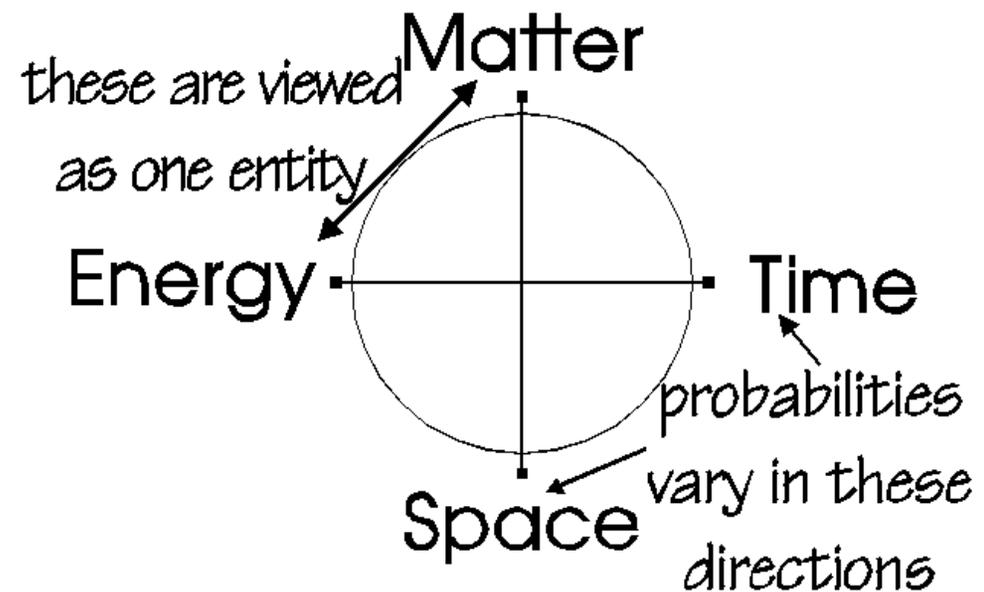
$\lambda_k = \frac{hc}{A}$
 $W = mgh$
 $F_{T1} = mN$

1 Parts of the Universe: Time, Space, Matter, Energy

In the beginning God created the heavens and the earth. The earth was without form, and void; and darkness was on the face of the deep. And the Spirit of God was hovering over the face of the waters. Then God said, "Let there be light"; and there was light.

Genesis 1:1-3

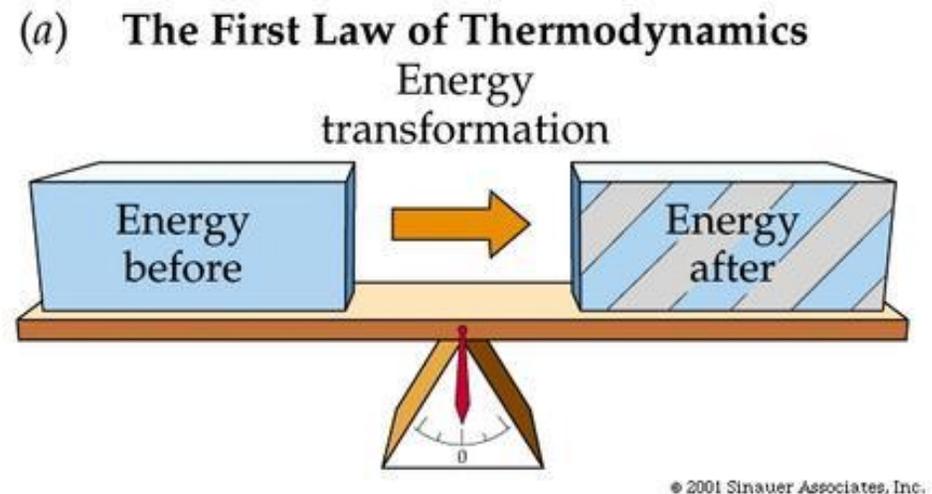
THE WORLD-VIEW OF QUANTUM MECHANICS



2 First Law of Thermodynamics

Thus the heavens and the earth, and all the host of them, were finished.

Genesis 2:1



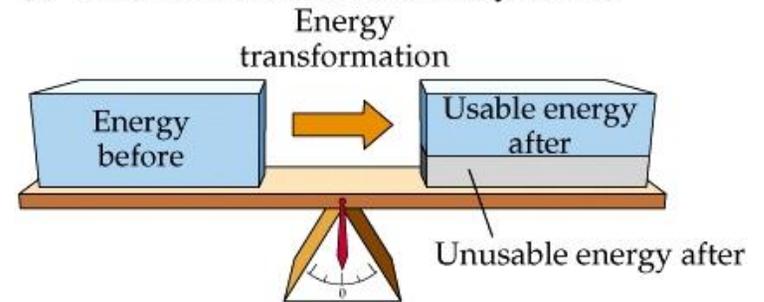
The law of conservation of energy states that the total energy of an isolated system is constant; energy can be transformed from one form to another, but can be neither created nor destroyed.

3 Second Law of Thermodynamics

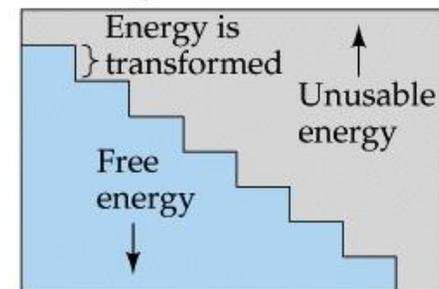
Of old You laid the foundation of the earth, And the heavens *are* the work of Your hands. They will perish, but You will endure; Yes, they will all grow old like a garment; Like a cloak You will change them, And they will be changed.

Psalm 102:25-26

(b) The Second Law of Thermodynamics



Closed system



4

Use of Electricity to form Sound Predicted

“Can you lift up your voice to the clouds, That an abundance of water may cover you? Can you send out lightnings (electricity) that they may go, And say to you, ‘Here we are!’?”

Job 38:34-35



5

Air has weight

To establish a weight for the wind,

And appportion the waters by measure.

Job 28:25

Air Has Weight

TOPPER LEARNING
Get More Marks

- Air has **weight**.
- When a balloon is blown-up it becomes heavier than a flat one. This is because **air is heavy**.

The diagram illustrates the concept of air having weight. It shows a child blowing air into a flat balloon, which then becomes a filled balloon. Below this, a balance scale is shown with a flat balloon on the left pan and a filled balloon on the right pan. The right pan is lower, indicating it is heavier. A sad face is drawn above the scale, suggesting the filled balloon is heavier.

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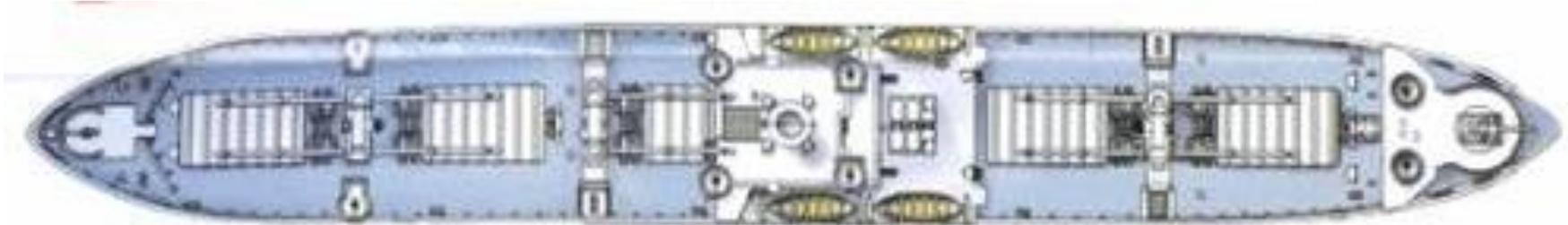
Light can be divided

By what way is
light diffused
[*lit. divided*],
Or the east
wind scattered
over the
earth?

Job 38:24



7 Noah's Ark (Cargo Ship) Dimensions



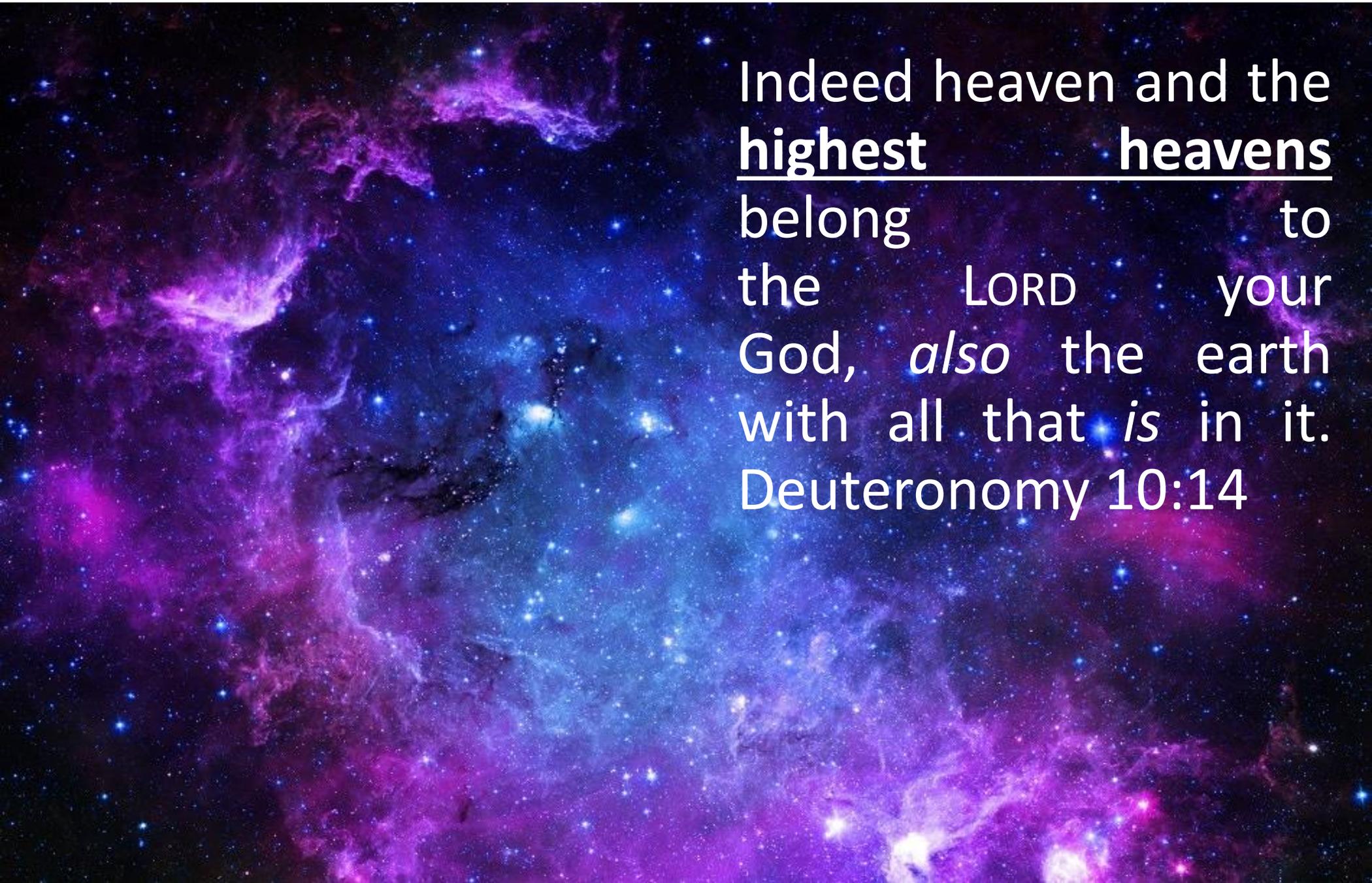
And this is how you shall make it: The length of the ark *shall be* 300 cubits, its width 50 cubits, and its height 30 cubits. Genesis 6:15.

These dimensions are 300:50:30, which is 30:5:3, which are the perfect dimensions for a ship designed to survive in rough seas that didn't need to go fast, just withstand rough seas. The ship called the S.S. Jeremiah O'Brien, a cargo ship designed to hold tons of supplies, was built on this exact ratio and is one of the few surviving ships of D-Day of the Second World War.

Part Two: Astronomy Facts in the Bible



God owns the “highest heavens” that we now know as “space”



Indeed heaven and the
highest heavens
belong to
the LORD your
God, *also* the earth
with all that *is* in it.
Deuteronomy 10:14

8 Constellations: Pleiades and Belt of Orion

"The Pleiades"



“Can you bind the cluster
of the Pleiades,
Or loose the belt of
Orion? Job 38:31

Pleiades and the Belt of Orion

- Scientists have confirmed that the Pleiades is a group of stars who are gravitationally bound together like a cluster.
- God has bound the cluster so that they move together.
- “Unlike the Pleiades clusters, the stars in the band of Orion do not share a common trajectory. In the course of time, Orion’s belt will be loosened just as God told Job.”

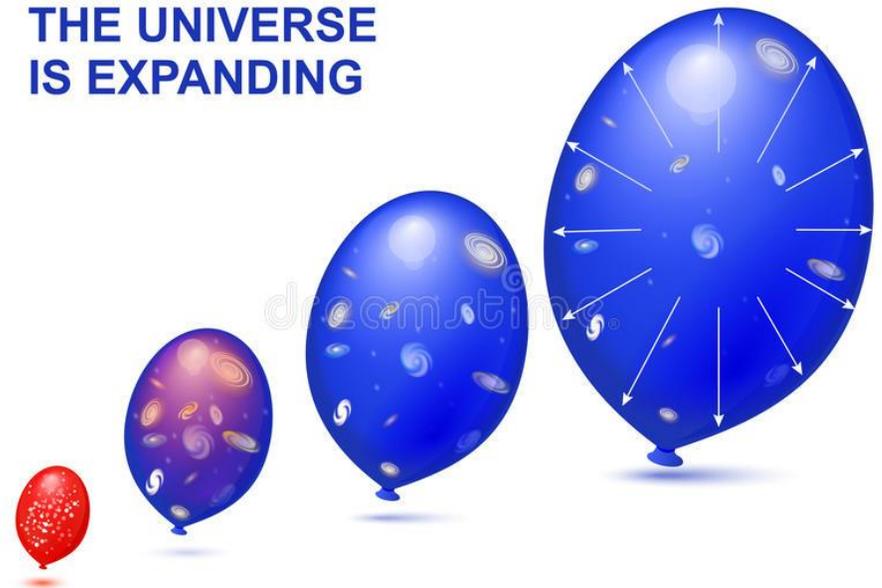
“<https://coldcasechristianity.com/writings/is-the-astronomy-in-the-book-of-job-scientifically-consistent/>”

9

The Universe is Expanding

Thus says
the LORD, who
stretches out the
heavens, lays the
foundation of the
earth, and forms
the spirit of man
within him:
Zechariah 12:1

THE UNIVERSE
IS EXPANDING



10 The Earth freely floats in Space

He stretches out the
north over empty space;
He hangs the earth on
nothing. Job 26:7



11

The Earth is Round

It is He who sits above the circle of the earth, And its inhabitants are like grasshoppers, Who stretches out the heavens like a curtain, And spreads them out like a tent to dwell in.

Isaiah 40:22



12 Each star is unique in its properties

There is one glory of the sun, another glory of the moon, and another glory of the stars; for one star differs from another star in glory.



1 Corinthians 15:41

13 The Sun travels through Space in a circuit

In them He has set a tabernacle for the sun, which is like a bridegroom coming out of his chamber, And rejoices like a strong man to run its race. His going forth is from the end of the heaven, and his circuit unto the ends of it: and there is nothing hid from the heat thereof.

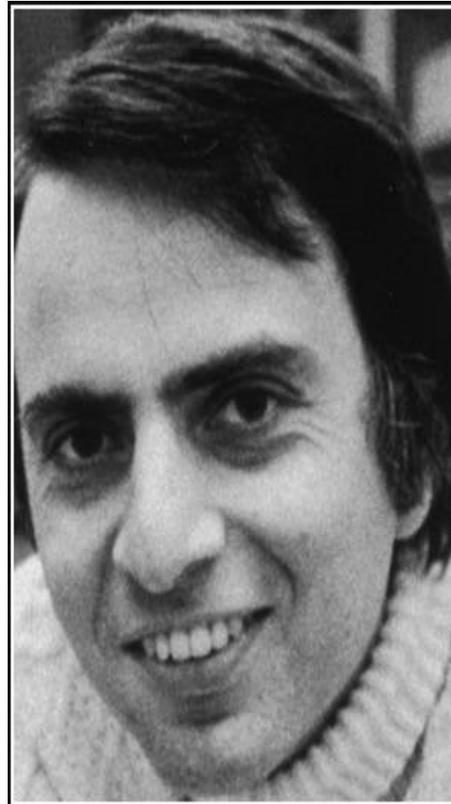
Psalm 19:4-6



14 Number of Stars = Number of Grains of Sand

Blessing I will bless you, and multiplying I will multiply your descendants as the stars of the heaven and as the sand which is on the seashore;

Genesis 22:17



The total number of stars in the Universe is larger than all the grains of sand on all the beaches of the planet Earth.

— Carl Sagan —

AZ QUOTES

(1 X 10²¹ Stars!)

15

Air & Space Travel predicted by Jesus Christ

And then He will send His angels, and gather together His elect from the four winds, from the farthest part of earth to the farthest part of heaven.

Mark 13:27



16

Scripture implies a spherical earth

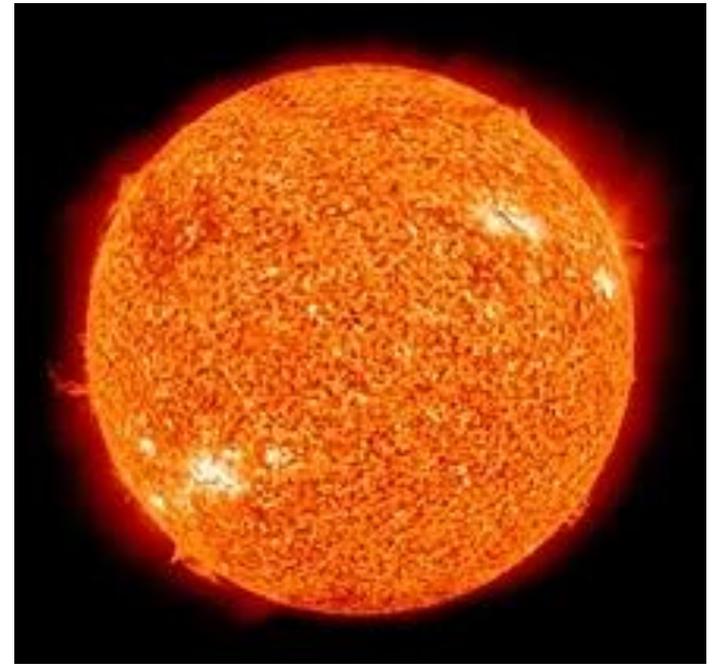
Even thus shall it be in the day when the Son of man is revealed...I tell you, **in that night there shall be two men in one bed; the one shall be taken, and the other shall be left. Two women shall be grinding together; the one shall be taken, and the other left. Two men shall be in the field; the one shall be taken, and the other left.** Luke 17:30, 34-36



17 The Sun will expand and get hotter for us

Then the fourth angel poured out his bowl on the sun, and power was given to him to scorch men with fire.

And men were scorched with great heat, and they blasphemed the name of God who has power over these plagues; and they did not repent and give Him glory. Revelation 16:8-9



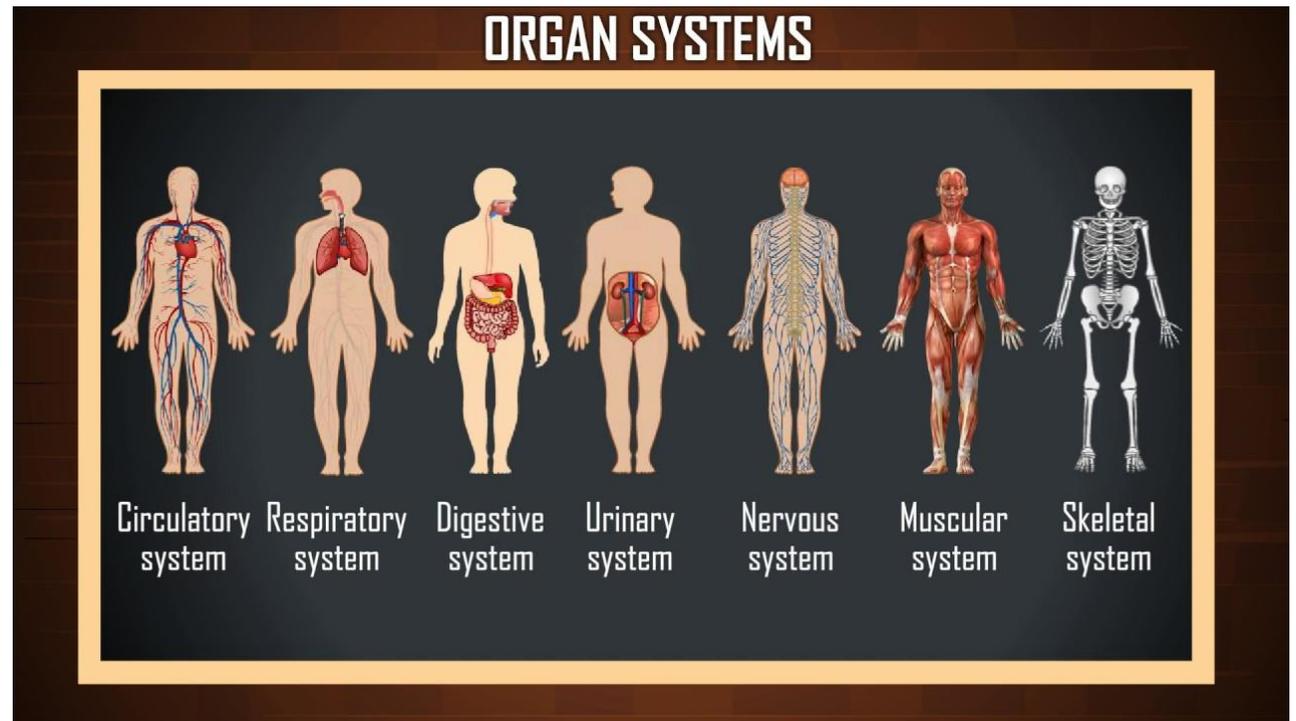
Part Three: Medical Facts in the Bible



18

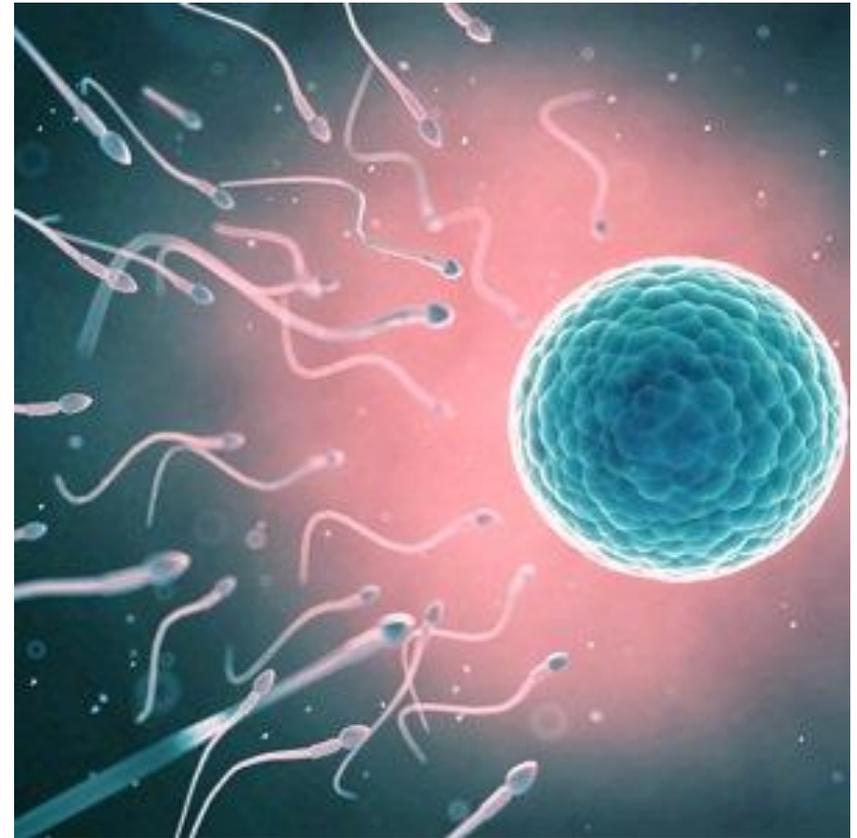
Humans are fearfully and wonderfully made

For You formed my inward parts; You covered me in my mother's womb. I will praise You, for I am fearfully and wonderfully made; Marvelous are Your works, and that my soul knows very well. Psalm 139:13-14



19 Both men and women have “seeds” to reproduce

So the Lord God said to the serpent: “Because you have done this, You are cursed more than all cattle, and more than every beast of the field; on your belly you shall go, and you shall eat dust all the days of your life. And I will put enmity between you and the woman, and between your seed and her Seed; He shall bruise your head, and you shall bruise His heel.” Genesis 3:14-15 And Onan knew that the seed should not be his; and it came to pass, when he went in unto his brother's wife, that he spilled it on the ground, lest that he should give seed to his brother. Genesis 38:9



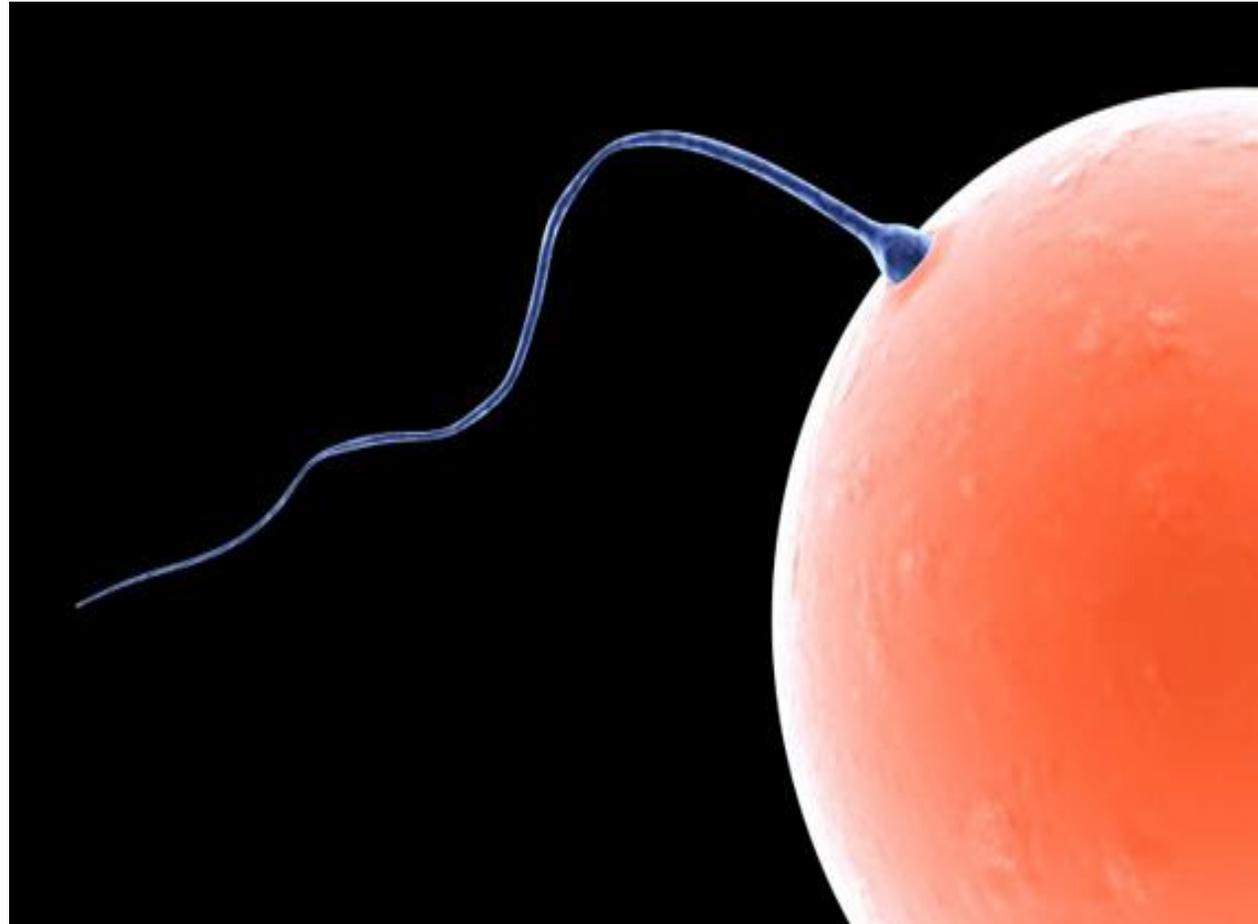
20

Human life begins in the Womb

“Before I formed you in the womb I knew you; Before you were born I sanctified you; I ordained you a prophet to the nations.”

Jeremiah 1:5

The union of the sperm and egg make a newly formed zygote. This undifferentiated cell has 46 chromosomes and is fully human and begins its development into a baby.



21

The chicken came before egg

Then God said, “Let the waters abound with an abundance of living creatures, and let birds fly above the earth across the face of the firmament of the heavens.” So God created great sea creatures and every living thing that moves, with which the waters abounded, according to their kind, and every winged bird according to its kind. And God saw that *it was good*. Genesis 1:20-21

Scientists finally concluded that the **chicken** came first.



Not the egg.

Because the protein which makes egg shells is only produced in the chicken's ovaries. The protein, called ovocledidin-17 (OC-17), acts as a catalyst to speed up the development of the shell.

BOS 2015

Source Sheffield University

22

First surgery under General Anesthesia

And the LORD God caused a deep sleep to fall on Adam, and he slept; and He took one of his ribs, and closed up the flesh in its place.

Genesis 2:21

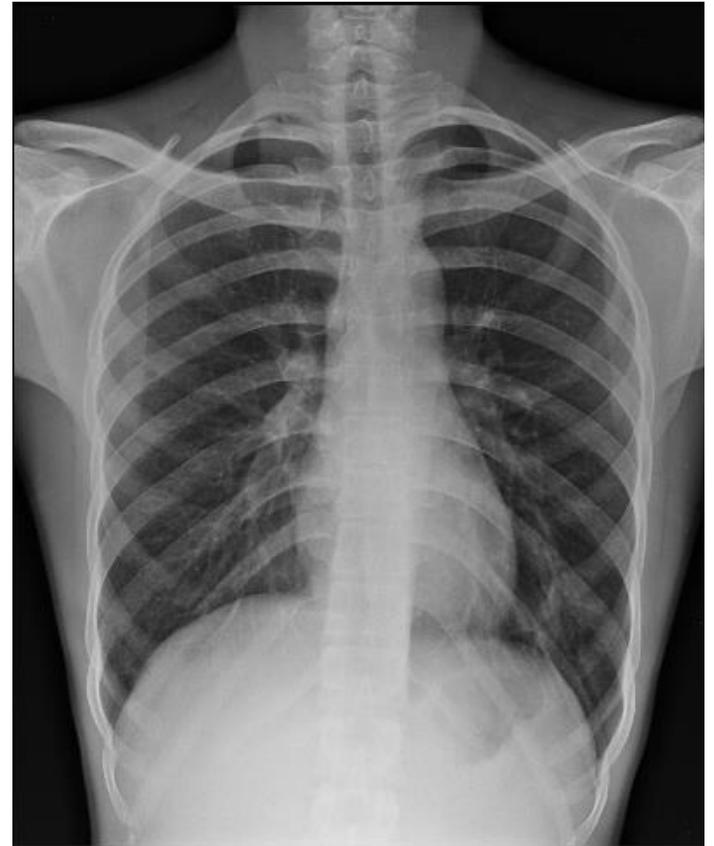


23

The Rib bone Regenerates

And the LORD God caused a deep sleep to fall on Adam, and he slept; and He took one of his ribs, and closed up the flesh in its place. Genesis 2:21

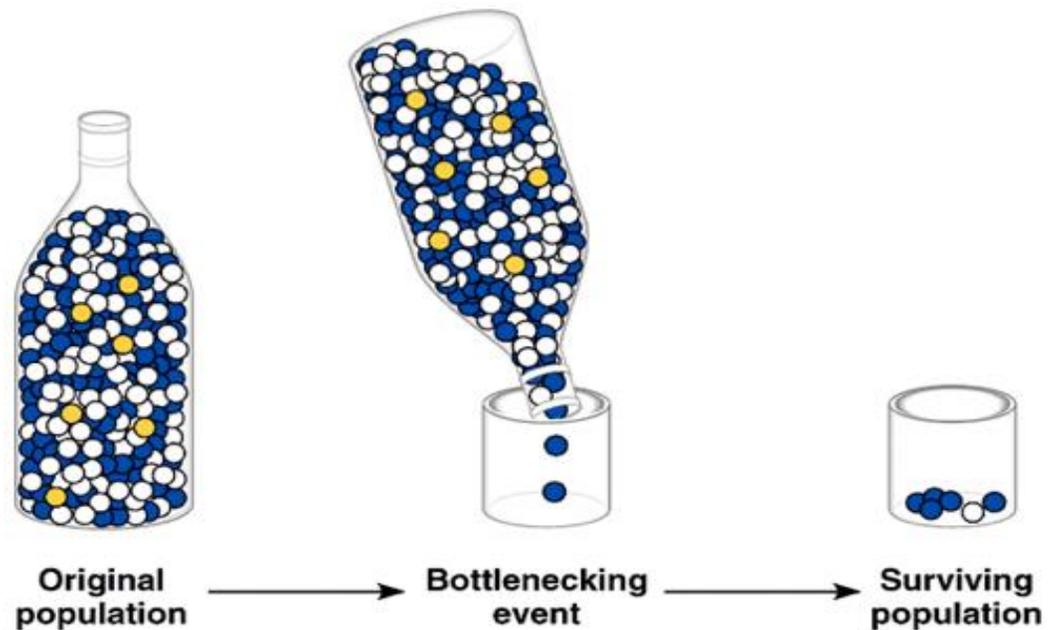
There are 206 bones in the human body. Of this number, there are 24 ribs. Ribs are the only bones in the body to regenerate.



24 Humanity came from one blood or gene pool

And He has made from one blood every nation of men to dwell on all the face of the earth, and has determined their pre-appointed times and the boundaries of their dwellings.

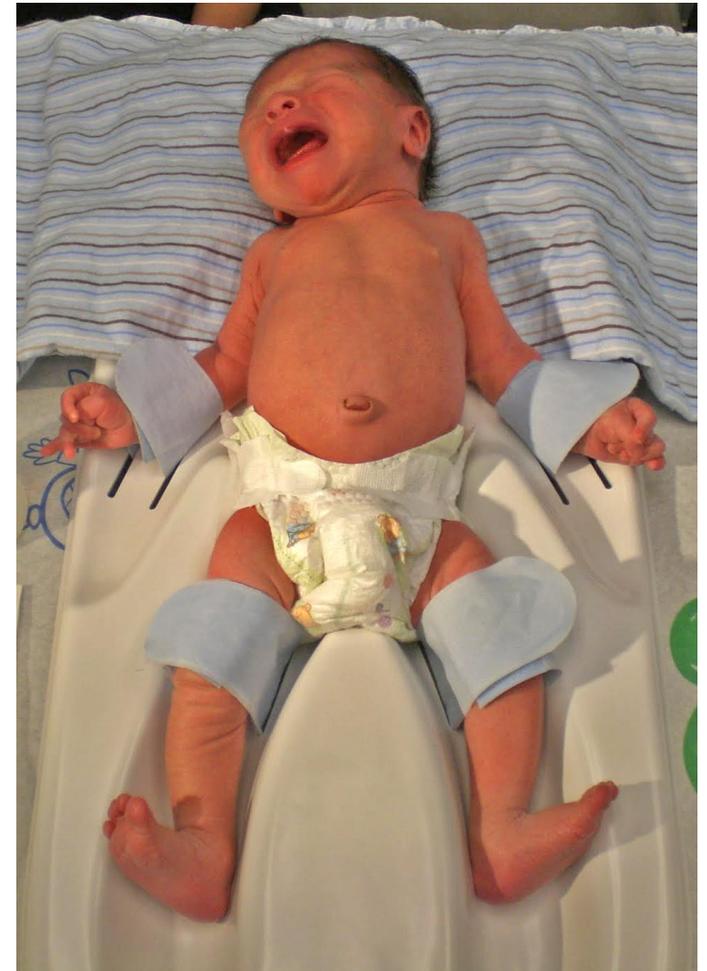
Acts 17:26



25 Circumcision on 8th day is safest

He who is 8 days old among you shall be circumcised, every male child in your generations, he who is born in your house or bought with money from any foreigner who is not your descendant. Genesis 17:12

On the 8th day of life, both Vitamin K and prothrombin are abundant (over 100% normal levels), and the blood on the injury to the child's body can heal quickly.



26 Olive oil and wine are useful on wounds

So he went to *him* and bandaged his wounds, pouring on oil and wine; and he set him on his own animal, brought him to an inn, and took care of him. Luke 10:34

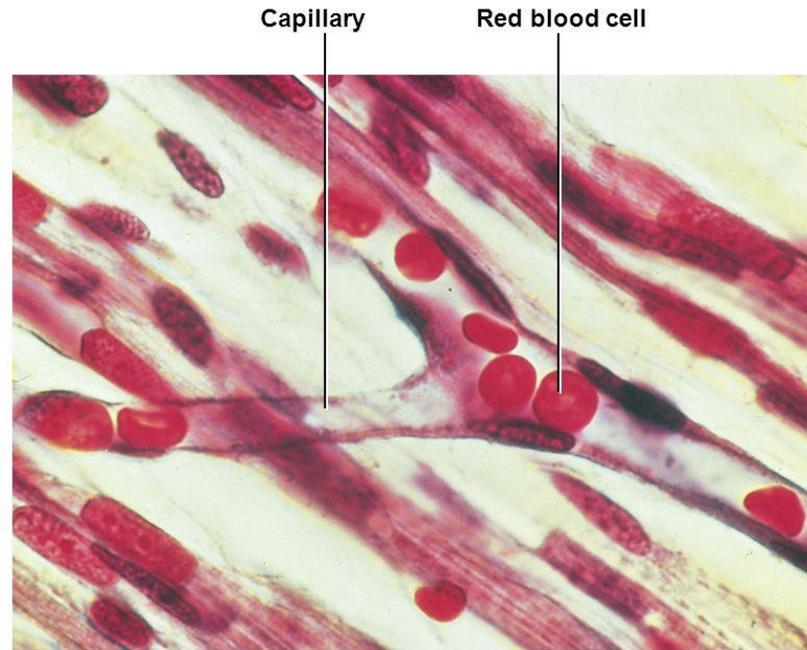
Red wine, which was most commonly used, would have antiseptic qualities and killed bacteria leading to infection. Olive oil aids skin recovery time.



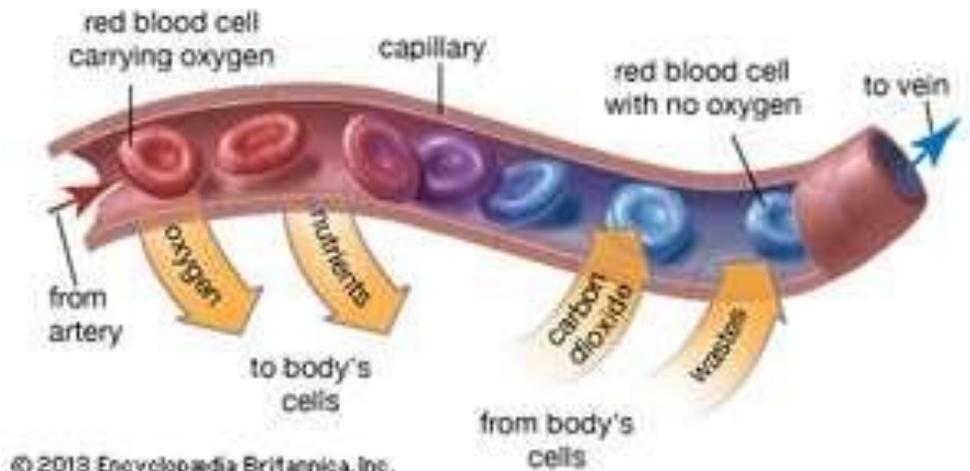
27 Life in the Flesh is in the Blood

For the life of the flesh is in the blood, and I have given it to you upon the altar to make atonement for your souls; for it is the blood that makes atonement for the soul.

Leviticus 17:11



(b) Capillary bed



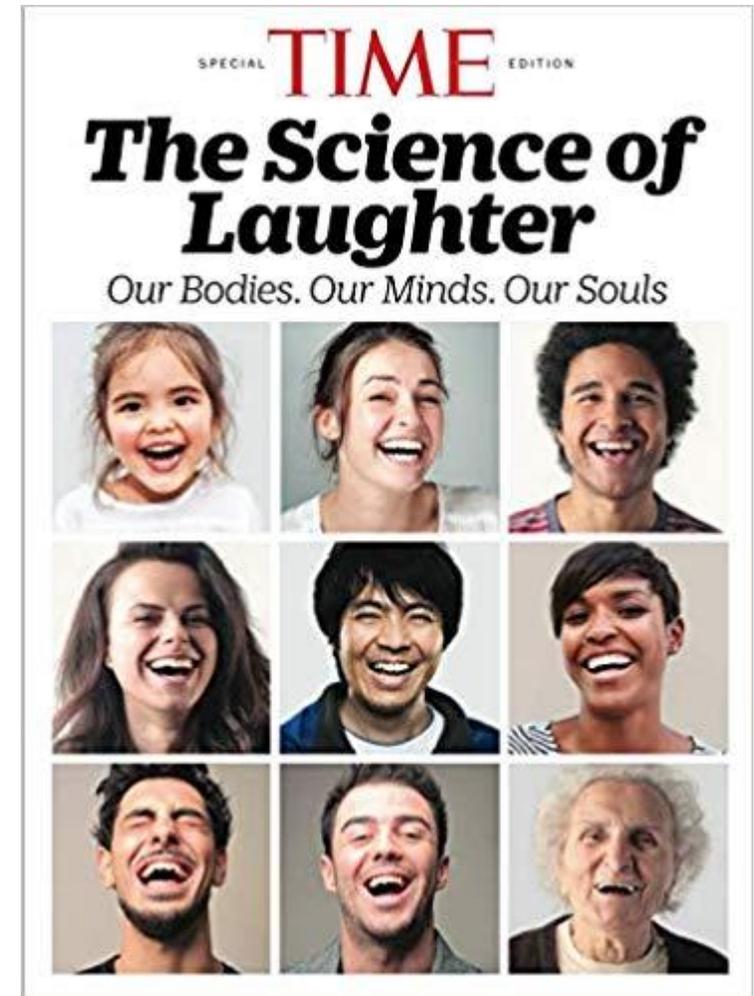
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28 Laughter promotes physical healing

A merry heart does good, like medicine, But a broken spirit dries the bones. Proverbs 17:22

Laughter decreases stress hormones and increases immune cells and infection-fighting antibodies, thus improving your resistance to disease. **Laughter** triggers the release of endorphins, the body's natural feel-good chemicals. Endorphins promote an overall sense of well-being and can even temporarily relieve pain.

<https://www.helpguide.org/articles/mental-health/laughter-is-the-best-medicine.htm#sense>



29 Leaves can be used for Medicine

Along the bank of the river, on this side and that, will grow all *kinds of* trees used for food; their leaves will not wither, and their fruit will not fail. They will bear fruit every month, because their water flows from the sanctuary. Their fruit will be for food, and **their leaves for medicine.**” Ezekiel 47:12

Leaves are known for their medicinal properties.



30

The Nature of Ostriches

“The wings of the ostrich flap joyfully, though they cannot compare with the wings and feathers of the stork. She lays her eggs on the ground and lets them warm in the sand, unmindful that a foot may crush them, that some wild animal may trample them. She treats her young harshly, as if they were not hers; she cares not that her labor was in vain, for God did not endow her with wisdom or give her a share of good sense. Yet when she spreads her feathers to run, she laughs at horse and rider. Job 39:13-18



Facts about Ostriches

- A male ostrich will have a harem of females.
- The females will lay their eggs together.
- Females will care for all the eggs together.
- When ostriches try to show dominance, the other ostriches may run through the clutch of new chicks and trample them carelessly.
- Ostriches can attain speeds of 70 km/h whereas horses can only attain about 48 km/h.

Part Four: Microbiology Facts in the Bible



31

Wash under Running Water

‘And when he who has a discharge is cleansed of his discharge, then he shall count for himself seven days for his cleansing, wash his clothes, and bathe his body in running water; then he shall be clean.

Leviticus 15:13



32

Public Sewage and Sanitation

“Also you shall have a place outside the camp, where you may go out; and you shall have an implement among your equipment, and when you sit down outside, you shall dig with it and turn and cover your refuse. For the Lord your God walks in the midst of your camp, to deliver you and give your enemies over to you; therefore your camp shall be holy, that He may see no unclean thing among you, and turn away from you. Deuteronomy 23:12-14



Diseases spread by Fecal Contamination

Bacteria

Vibrio cholerae (cholera)

Shigella (shigellosis / bacillary dysentery)

Vibrio parahaemolyticus

Campylobacter

Clostridium difficile (pseudomembranous enterocolitis)

Salmonella typhi (typhoid fever)

Escherichia coli

Viruses

Hepatitis A

Enteroviruses

Poliovirus (poliomyelitis)

Hepatitis E

Norovirus acute gastroenteritis

Rotavirus – Most of these pathogens cause gastroenteritis.

Protozoans

Entamoeba histolytica (amoebiasis)

Cryptosporidium (cryptosporidiosis)

Giardia (giardiasis)

Toxoplasma gondii (toxoplasmosis)

Helminths

Tape worms

Ascariasis and other soil transmitted helminthiasis

33 Bible and Quarantine of Infectious Patients

“Now the leper on whom the sore is, his clothes shall be torn and his head bare; and he shall cover his mustache, and cry, ‘Unclean! Unclean!’ He shall be unclean. All the days he has the sore he shall be unclean. He is unclean, and he shall dwell alone; his dwelling shall be outside the camp. Leviticus 13:45-46



How is Leprosy Transmitted

- The infection is thought to be spread person to person by nasal secretions or droplets.

https://www.medicinenet.com/leprosy/article.htm#what_is_leprosy



34 Mandatory Quarantine of Infected People

And the Lord spoke to Moses, saying:
“Command the children of Israel that they put out of the camp every leper, everyone who has a discharge, and whoever becomes defiled by a corpse. You shall put out both male and female; you shall put them outside the camp, that they may not defile their camps in the midst of which I dwell.” And the children of Israel did so, and put them outside the camp; as the Lord spoke to Moses, so the children of Israel did.

Numbers 5:1-4



35

Food Spoilage on the Third Day

‘And if you offer a sacrifice of a peace offering to the LORD, you shall offer it of your own free will. It shall be eaten the same day you offer *it*, and on the next day. **And if any remains until the 3rd day, it shall be burned in the fire. And if it is eaten at all on the 3rd day, it is an abomination.** It shall not be accepted. Therefore *everyone* who eats it shall bear his iniquity, because he has profaned the hallowed *offering* of the LORD; and that person shall be cut off from his people. Leviticus 19:5-8



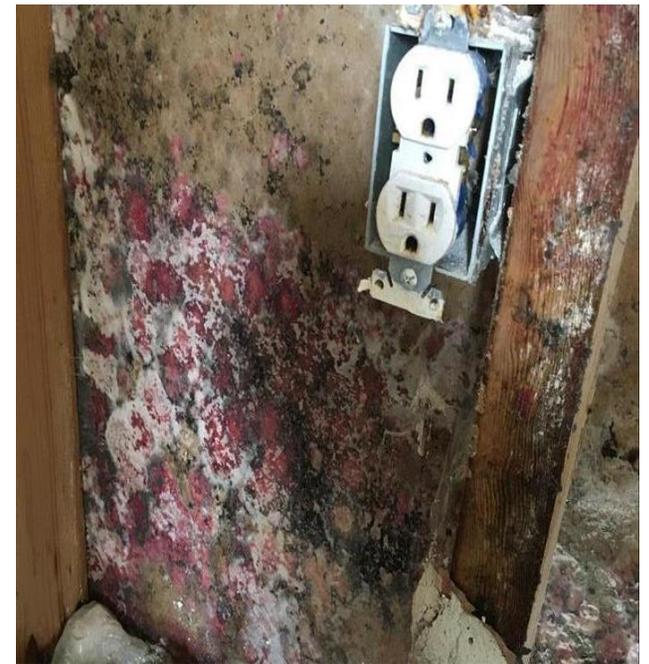
36 Safe vs. Unsafe Drinking Water rules

Any earthen vessel into which any of them falls [reptile or rodent] you shall break; and whatever is in it shall be unclean: in such a vessel, any edible food upon which water falls becomes unclean, and any drink that may be drunk from it becomes unclean. And everything on which a part of any such carcass falls shall be unclean; whether it is an oven or cooking stove, it shall be broken down; for they are unclean, and shall be unclean to you. Nevertheless a spring or a cistern, in which there is plenty of water, shall be clean, but whatever touches any such carcass becomes unclean. Leviticus 11:33-36



37 How to deal with mold and its spores

“When you have come into the land of Canaan, which I give you as a possession, and I put the leprous plague in a house in the land of your possession, and he who owns the house comes and tells the priest, saying, ‘It seems to me that *there is* some plague in the house,’ then the priest shall command that they empty the house, before the priest goes *into it* to examine the plague, that all that *is* in the house may not be made unclean; and afterward the priest shall go in to examine the house. And he shall examine the plague; and indeed *if the plague is on the walls of the house with ingrained streaks, greenish or reddish, which appear to be deep in the wall, then the priest shall go out of the house, to the door of the house, and shut up the house seven days.* And the priest shall come again on the seventh day and look; and indeed *if the plague has spread on the walls of the house, then the priest shall command that they take away the stones in which is the plague, and they shall cast them into an unclean place outside the city. And he shall cause the house to be scraped inside, all around, and the dust that they scrape off they shall pour out in an unclean place outside the city.* Then they shall take other stones and put *them* in the place of *those* stones, and he shall take other mortar and plaster the house. Leviticus 14:33-42



Part Five: Nutrition Facts in the Bible



38 Avoid bottom-feeding sea creatures

‘These you may eat of all that *are* in the water: whatever in the water has fins and scales, whether in the seas or in the rivers—that you may eat. **But all in the seas or in the rivers that do not have fins and scales, all that move in the water or any living thing which *is* in the water, they are an abomination to you.** They shall be an abomination to you; you shall not eat their flesh, but you shall regard their carcasses as an abomination. Whatever in the water does not have fins or scales—that *shall be* an abomination to you. Leviticus 11:9-12



39

Don't eat carnivorous birds or bats

And these you shall regard as an abomination among the birds; they shall not be eaten, they *are* an abomination: the eagle, the vulture, the buzzard, the kite, and the falcon after its kind; every raven after its kind, the ostrich, the short-eared owl, the sea gull, and the hawk after its kind; the little owl, the fisher owl, and the screech owl; the white owl, the jackdaw, and the carrion vulture; the stork, the heron after its kind, the hoopoe, and the bat.

Leviticus 11:13-19



- Eagles eat a lot of fish and small prey. Fish and aquatic mammals often carry the lead from sinkers or mercury from contaminated water, which may eventually kill the eagle, and can be passed to humans. The same is true for the rodents they eat that may live in agricultural areas, and are either intentionally poisoned or are exposed to pesticides used on crops. If you follow local Department of Natural Resources news, (in the U.S.) you'll see eagle kills listed primarily as poisoned by their prey.
- They don't taste good. Eagles are a muscular bird of prey, a top predator in their genre. Birds of prey are tough and sinewy, gamey.

Source: <https://www.quora.com/Do-humans-eat-eagles>

40

Don't Consume Blood

'And whatever man of the house of Israel, or of the strangers who dwell among you, who eats any blood, I will set My face against that person who eats blood, and will cut him off from among his people. For the life of the flesh is in the blood, and I have given it to you upon the altar to make atonement for your souls; for it is the blood that makes atonement for the soul.'

Leviticus 17:10-11



Why shouldn't we drink blood?

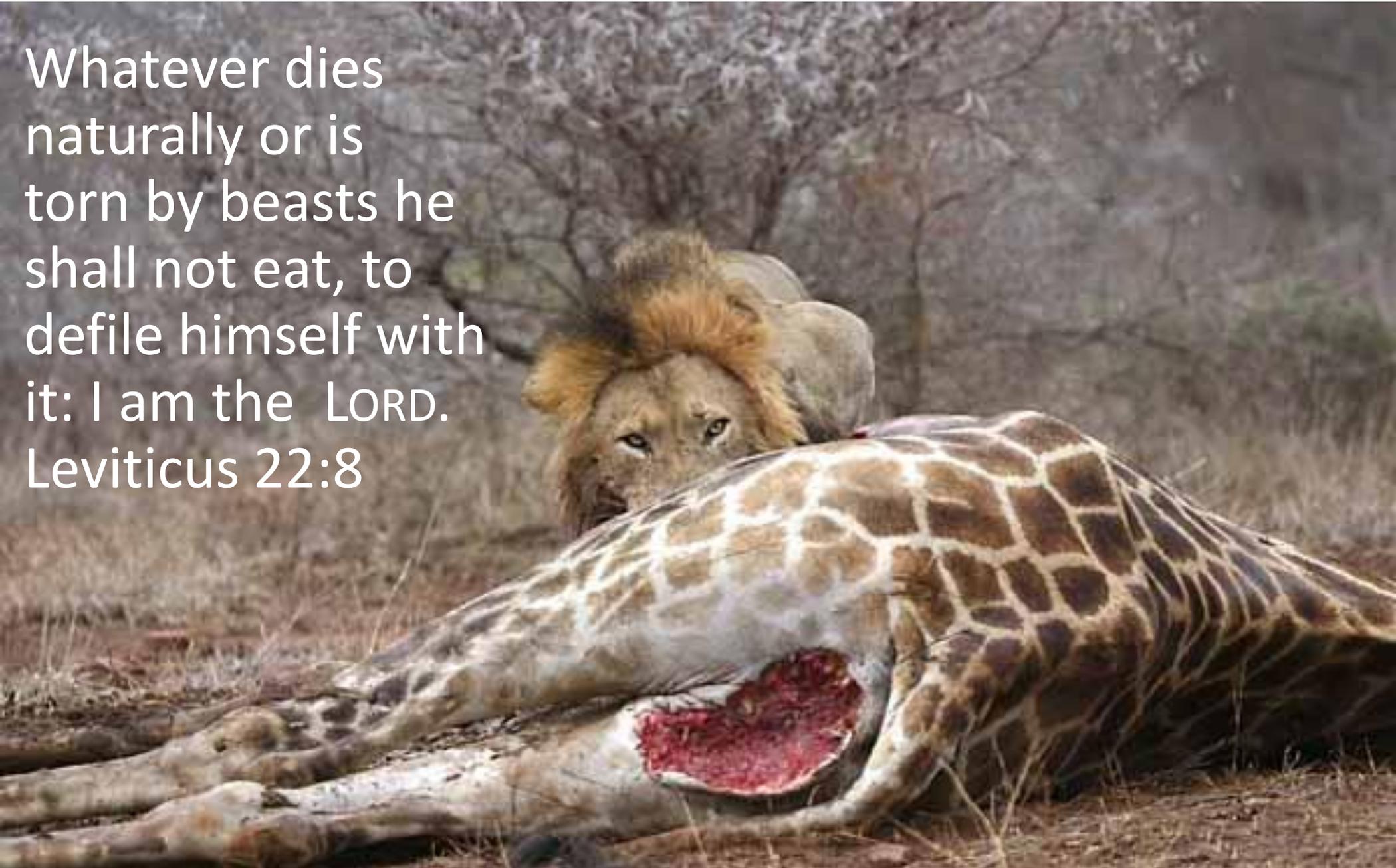
Because blood is so rich in iron — and because the body has difficulty excreting excess iron — any animal that consumes blood regularly runs a risk of iron overdose. While iron is necessary for all animals (and indeed most life), in high doses it can be toxic. This condition, called haemochromatosis, can cause a wide variety of diseases and problems, including liver damage, buildup of fluid in the lungs, dehydration, low blood pressure, and nervous disorders.

<https://www.livescience.com/15899-drinking-blood-safe.html>

41

Dead kills not to be eaten

Whatever dies naturally or is torn by beasts he shall not eat, to defile himself with it: I am the LORD.
Leviticus 22:8



42 Don't eat the fat of animals (lard)

“Speak to the children of Israel, saying: ‘You shall not eat any fat, of ox or sheep or goat.’”

Leviticus 7:23



Why is eating Animal fat so unhealthy?

Saturated fat is a major part of the fat in lard. Regular consumption of saturated fats has been linked to serious chronic health conditions, including heart disease and breast, colon and ovarian cancers. In addition, the high calorie content in a single serving of lard means that it can lead to significant weight gain when eaten in excess. People with a body mass index -- BMI -- of greater than 25 may be at risk of developing hypertension, diabetes and certain types of dementia.

Source: <https://www.livestrong.com/article/365504-is-cooking-with-lard-healthy/>

43

Also the swine is
unclean for you,
because it has cloven
hooves, yet does not
chew the cud; you
shall not eat their
flesh or touch their
dead carcasses.

Deuteronomy 14:8

Don't eat Pork



“No matter how you think about it, pigs are rather dirty animals. They’re considered the garbage and waste eliminators of the farm, often eating literally anything they can find. This includes not only bugs, insects and whatever leftover scraps they find laying around, but also their own feces, as well as the dead carcasses of sick animals, including their own young. At least one farmer has gone out to feed his pigs and never returned. On that morning in 2012, he literally became the pig’s breakfast.”

<https://abcnews.go.com/blogs/headlines/2012/10/farmer-eaten-by-hungry-hogs/>

Part Six: Geography Facts in the Bible

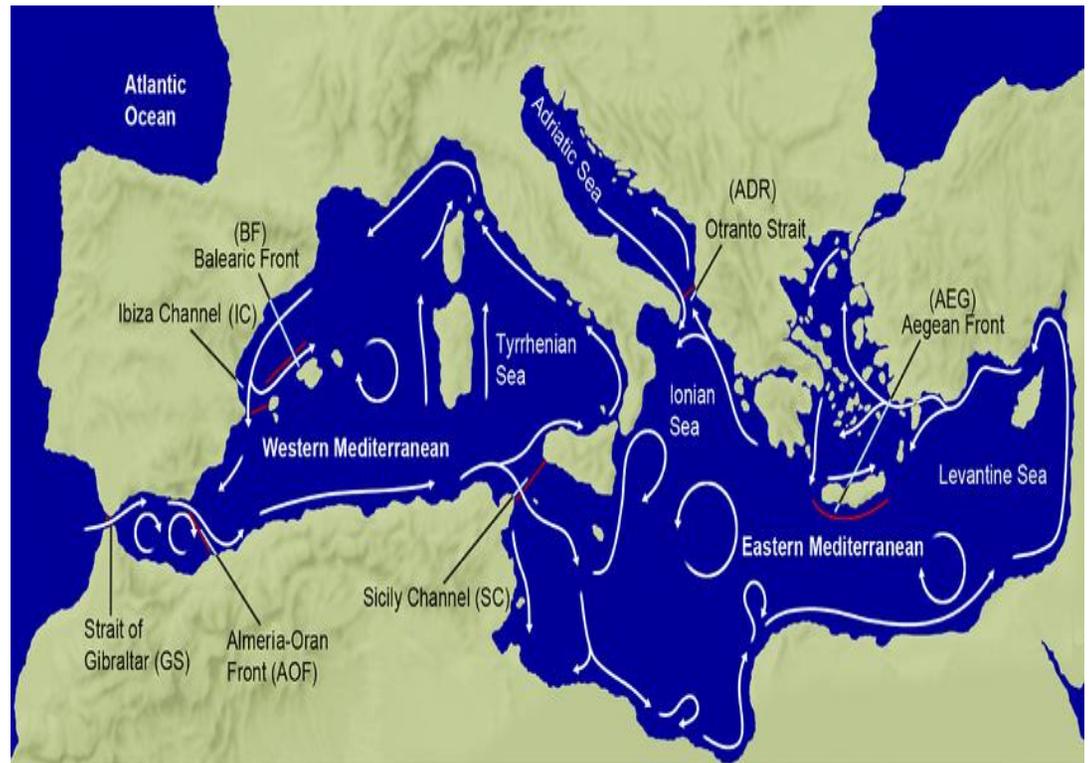


44

The Ocean has underwater currents

You have made him to have dominion over the works of Your hands; You have put all *things* under his feet, All sheep and oxen—Even the beasts of the field, The birds of the air, And the fish of the sea that pass through the paths of the seas.

Psalm 8:6-8

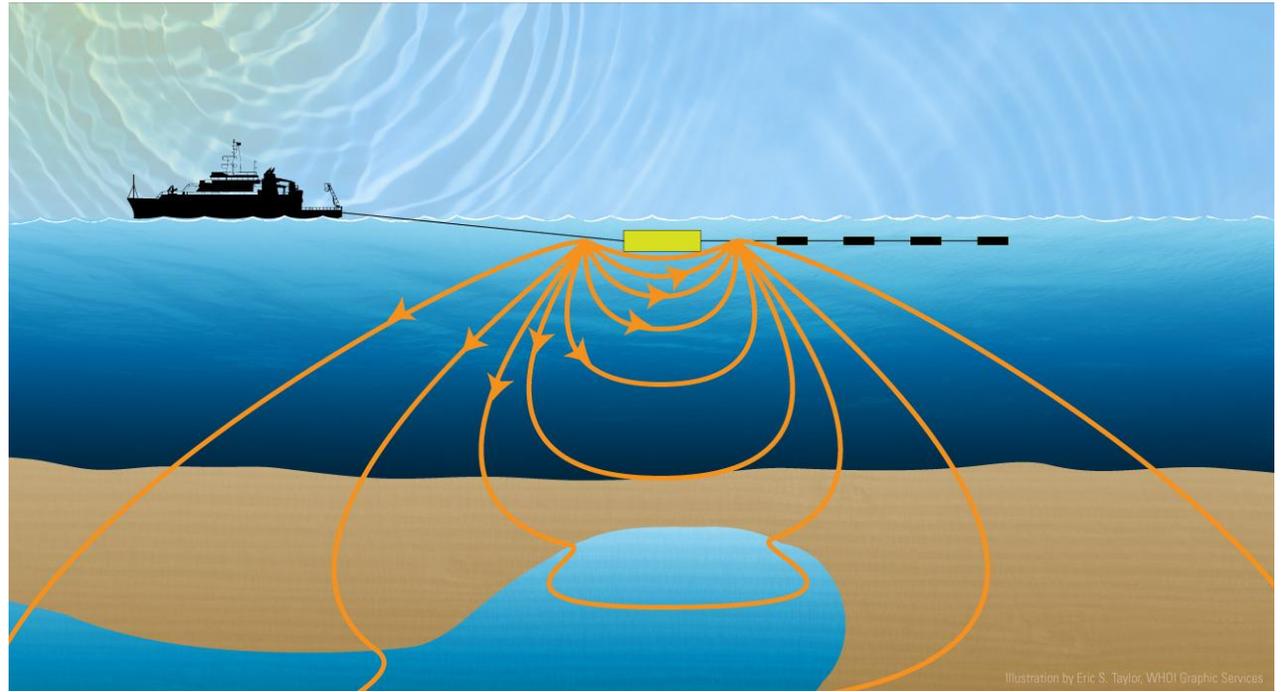


45 Oceans can have freshwater springs

“Have you entered the springs of the sea?”

Or have you walked in search of the depths?

Job 38:16

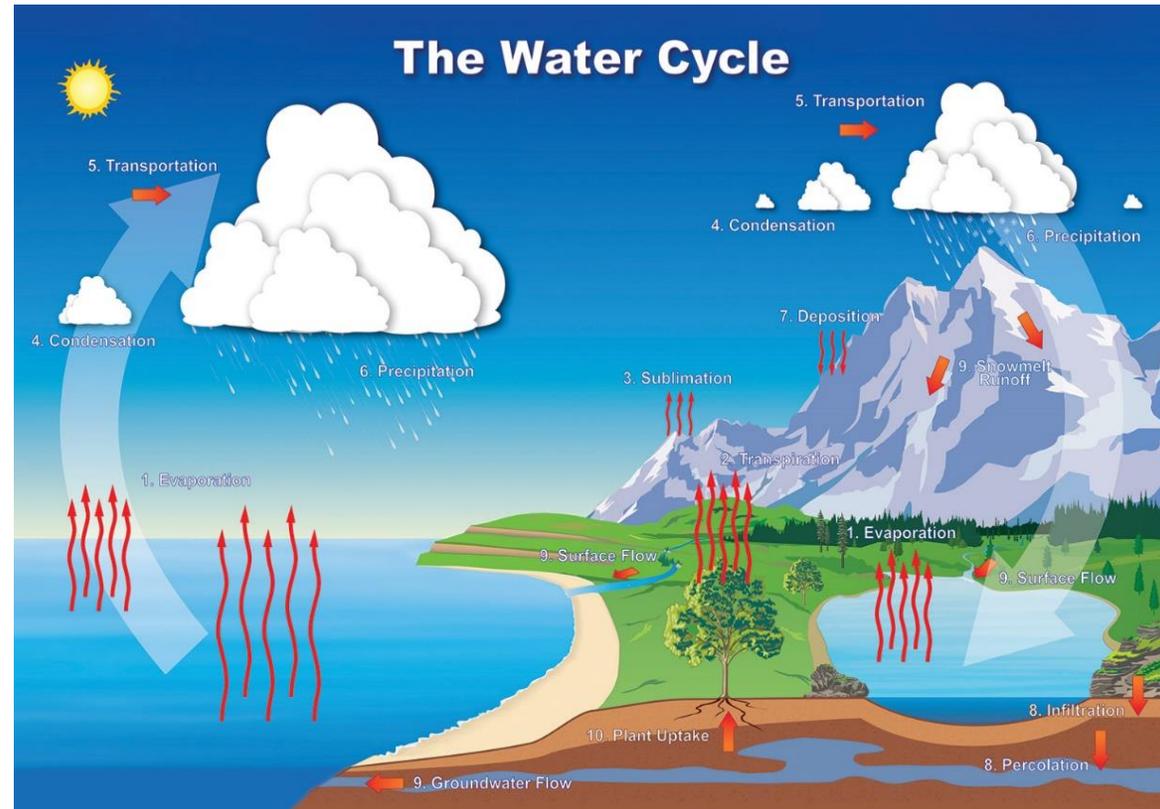


46

The Water Cycle described

He who builds His layers in the sky, and has founded His strata in the earth; Who calls for the waters of the sea, And pours them out on the face of the earth—The LORD is His name. Amos 9:6

For He draws up drops of water, which distill as rain from the mist, Which the clouds drop down and pour abundantly on man. Job 36:27-28



47 Soil Conservation every 7th year

“Six years you shall sow your land and gather in its produce, but the seventh year you shall let it rest and lie fallow, that the poor of your people may eat; and what they leave, the beasts of the field may eat. In like manner you shall do with your vineyard and your olive grove. Exodus 23:11-12

Harvesting depletes the nutrients from the soil, such as essential nitrogen. Leaving the soil unplowed for a year would allow regeneration of natural growth and the soil to become enriched for the 8th year. This is like adding natural fertilizer over the 7th year.

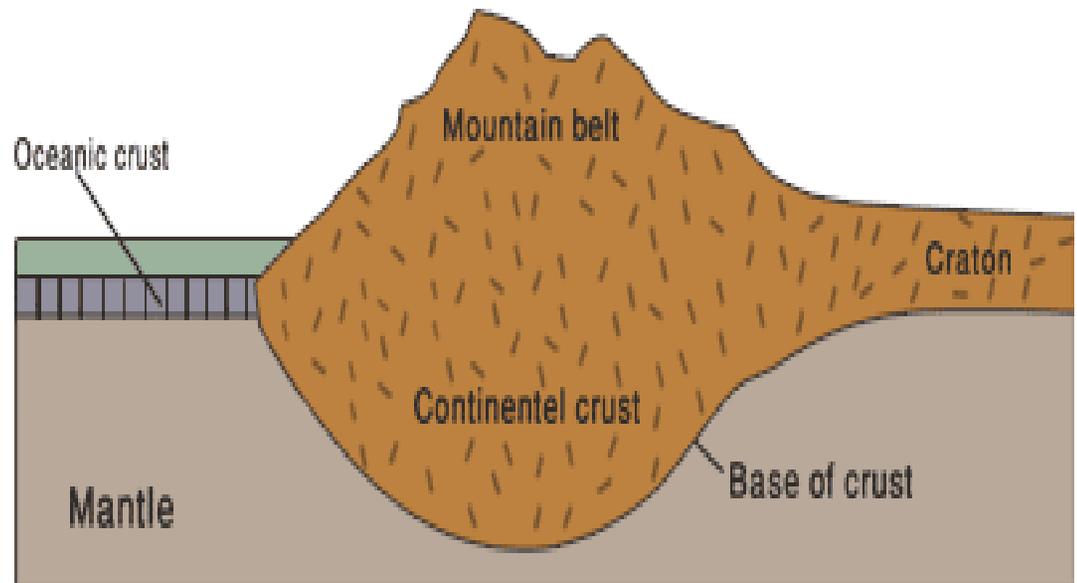


The N₂ Cycle

48

Mountains have roots

To the roots of the mountains I sank down; the earth beneath barred me in forever. But you, Lord my God, brought my life up from the pit.
Jonah 2:6



49 The Bible and “Behemoth” – a sauropod

“Look now at the behemoth, which I made *along* with you; He eats grass like an ox. See now, his strength *is* in his hips, And his power *is* in his stomach muscles. He moves his tail like a cedar; The sinews of his thighs are tightly knit. His bones *are like* beams of bronze, His ribs like bars of iron. He *is* the first of the ways of God; Only He who made him can bring near His sword. Surely the mountains yield food for him, And all the beasts of the field play there. He lies under the lotus trees, In a covert of reeds and marsh. The lotus trees cover him *with* their shade; The willows by the brook surround him. Indeed the river may rage, *Yet* he is not disturbed; He is confident, though the Jordan gushes into his mouth, *Though* he takes it in his eyes, *Or* one pierces *his* nose with a snare. Job 40:15-24



50 The Earth has Prevailing Winds

The wind goes toward the south, and turns around to the north; the wind whirls about continually, and comes again on its circuit.

Ecclesiastes 1:6

