

## 1. Wash Under Running Water

Leviticus 15:13

Now when the man with the discharge becomes cleansed from his discharge, then he shall count off for himself seven days for his cleansing; he shall then wash his clothes and bathe his body in running water and will become clean.

1846 in Vienna death rate amongst women giving birth in hospitals was as high as 30%

Dr. Ignaz Semmelweis investigated the reason

Doctors did not wash their hands when going from patient to patient

Germ theory of disease was not yet understood

Washing hands reduced the mortality rate to 2%

Washing under running water carries the germs away

Washing in standing water leaves the germs in place

Mikvahs were required to have running water

## 2. Quarantine the Sick

Leviticus 13:46

[The one with leprosy] <sup>46</sup> He shall remain unclean all the days during which he has the infection; he is unclean. He shall live alone; his dwelling shall be outside the camp.

Was not until the 17<sup>th</sup> Century that the germ theory of disease and the practice of quarantining the sick were developed

The Bubonic plague killed 40-60% of the European population

Many lives could have been saved during the black plague in Europe if this had been practiced

Jewish people Less Affected (reduced deaths by up to 50%) Due to:

1. Hand washing
2. Sanitation
3. Separating the ill
4. Rapid burial of the dead

Because of this, the Jews were even blamed for causing the plague by some communities

## 3. Information in the Blood

Leviticus 17:11

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

Hebrews 9:22

And according to the Law, one may almost say, all things are cleansed with blood, And without shedding of blood there is no forgiveness.

Genesis 3:7 (Man - by his efforts - attempts to cover his sin)

Then the eyes of both of them were opened, and they knew that they were naked; and they sewed fig leaves together and made themselves loin coverings.

Genesis 3:24 (God - by the shedding of innocent blood - covers sin)

YHWH God made garments of skin for Adam and his wife, and clothed them.

Early medical practices included bloodletting because they did not realize the life-sustaining nature of blood

George Washington died at the hands of his doctors from blood letting

40% of the blood was drained from his body prior to his death

Blood is how oxygen, hormones and nutrients get to the cells of our bodies.

Contrary to this practice, blood transfusions are given to strengthen people

### 1. The Earth Floats Free in Space:

Job 26:7

He stretches out the north over empty space And hangs the earth on nothing.

Hindu: world rested on the back of a turtle

Greek Mythology: Atlas held up the sky

### 2. The Earth is a "Circle"

Isaiah 40:22

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

The Bible is accused of promoting a "flat earth" – this is false

Galileo was placed on trial for espousing a heliocentric system and not a circular earth

### 3. Universe is Expanding

Job 9:8

Who alone stretches out the heavens

Isaiah 42:5

Thus says God YEHOVAH,  
Who created the heavens and stretched them out,  
Who spread out the earth and its offspring,  
Who gives breath to the people on it  
And spirit to those who walk in it,

Jeremiah 51:15

*It is* He who made the earth by His power,  
Who established the world by His wisdom,  
And by His understanding He stretched out the heavens.

Zachariah 12:1

The burden of the word of YEHOVAH concerning Israel.  
*Thus* declares YEHOVAH who stretches out the heavens,  
lays the foundation of the earth,  
and forms the spirit of man within him,

Until the 1920s it was believed that the universe was static in size

The universe is continually expanding and the more distant the galaxy, the faster they are moving outward

## 1. Oceanography

Psalm 8:8

<sup>8</sup>The birds of the heavens and the fish of the sea,  
Whatever passes through the **paths of the seas**.

<sup>9</sup>O YEHOVAH, our Lord,

How majestic is Your name in all the earth!

Matthew Fontaine Maury

Father of oceanography

Defined and analyzed ocean currents based on Psalm 8:8

Cut sailing times by weeks to months by taking advantage of the currents

11/30/1860: The Bible is true and science is true and therefore each,

the truth of the other if truly read, [but] proves the truth of the other

## 2. Springs in the Oceans

Job 38:16

<sup>16</sup>“Have you entered into the springs of the sea  
Or walked in the recesses of the deep?”

Springs in the bottom of the oceans were not discovered until the 1970's  
when submarines were built to withstand 6000 lbs pressure/in<sup>2</sup>

## 3. Hydrologic Cycle

Isaiah 55:10

“For as the rain and the snow come down from heaven,  
And do not return there without watering the earth  
And making it bear and sprout,  
And furnishing seed to the sower and bread to the eater;

Psalm 135:7

He causes the vapors to ascend from the ends of the earth

Ecclesiastes 1: 7

All the rivers flow into the sea,  
Yet the sea is not full.  
To the place where the rivers flow,  
There they flow again.

Hydrologic cycle was first described in 1580 by Bernard Palissy

## 4. Ship Dimensions

Genesis 6:14-15

<sup>14</sup>Make for yourself an ark of gopher wood; you shall make the ark with rooms, and shall cover it inside and out with pitch. <sup>15</sup>This is how you shall make it: the length of the ark three hundred cubits, its breadth fifty cubits, and its height thirty cubits.

Length: 10x the height

Length: 6x the width

These dimension give maximum buoyancy and stability

## 1. First Law of Thermodynamics

Genesis 2:1

Thus the heavens and the earth were completed in all their vast array.

1<sup>st</sup> Law: Energy cannot be created or destroyed

Energy and matter can be converted into one another

Photosynthesis provides the energy for plants to grow and create glucose

Wood/coal/oil can be burned to give off heat that came from the energy used to form them

The total amount of energy in the universe is unchanging

## 2. Second Law of Thermodynamics

Romans 8:

<sup>19</sup> For the anxious longing of the creation waits eagerly for the revealing of the sons of God. <sup>20</sup> For the creation was **subjected to futility**, not willingly, but because of Him who subjected it, in hope <sup>21</sup> that the creation itself also will be set free from its **slavery to corruption** into the freedom of the glory of the children of God.

Hebrews 1:10-11

<sup>10</sup> And, "YOU, LORD, IN THE BEGINNING LAID THE FOUNDATION OF THE EARTH,

AND THE HEAVENS ARE THE WORKS OF YOUR HANDS;

<sup>11</sup> THEY WILL PERISH, BUT YOU REMAIN;

AND THEY ALL WILL BECOME OLD LIKE A GARMENT,

2<sup>nd</sup> Law of Thermodynamics

Entropy [disorder, chaos] increases over time

Initial creation was free of entropy because it was free of sin

Adam sinned ushering in entropy and death as God's judgment for disobedience

The new earth of Revelation 21 will again be free of sin, death and entropy

## 3. Nature of Light

Job 38:19-20,24

<sup>19</sup> "Where is the way to the dwelling of light?

And darkness, where is its place,

<sup>20</sup> That you may take it to its territory

And that you may discern the paths to its home?

<sup>24</sup> "Where is the way that the light is divided, ...?"

Light is not physical in the way atoms and subatomic particles are physical

Light is a particle that acts like a wave

Science did not know until the time of Sir Isaac Newton that light could be "divided"

Into the seven colors of the spectrum

## 4. Light and Radio Waves

Job 38:35

"Can you send forth lightnings that they may go

And say to you, 'Here we are'?"

Lightnings: reference to electromagnetic radiation in all forms

All electromagnetic radiation travels at the speed of light (like lightening)

Electromagnetic radiation can be manifest as speech

Not discovered until 1864 when Maxwell discovered the electricity and light were two forms of the same entity

- electromagnetic radiation

Basis of modern telecommunications

## 1. Dinosaurs Are Recorded in the Bible

Job 40 – Behemoth (vv. 15-24)

<sup>15</sup> “Behold now, Behemoth, which I made as well as you;

He eats grass like an ox.

<sup>16</sup> “Behold now, his strength in his loins

And his power in the muscles of his belly.

<sup>17</sup> “He bends his tail like a cedar;

The sinews of his thighs are knit together.

<sup>18</sup> “His bones are tubes of bronze;

His limbs are like bars of iron.

<sup>19</sup> “He is the first of the ways of God;

Let his maker bring near his sword.

<sup>20</sup> “Surely the mountains bring him food,

And all the beasts of the field play there.

<sup>21</sup> “Under the lotus plants he lies down,

In the covert of the reeds and the marsh.

<sup>22</sup> “The lotus plants cover him with shade;

The willows of the brook surround him.

<sup>23</sup> “If a river rages, he is not alarmed;

He is confident, though the Jordan rushes to his mouth.

<sup>24</sup> “Can anyone capture him when he is on watch,

With barbs can anyone pierce *his* nose?

Job 41 – Leviathan:

<sup>1</sup> “Can you draw out Leviathan with a fishhook?

Or press down his tongue with a cord?

<sup>2</sup> “Can you put a rope in his nose

Or pierce his jaw with a hook?

<sup>3</sup> “Will he make many supplications to you,

Or will he speak to you soft words?

<sup>4</sup> “Will he make a covenant with you?

Will you take him for a servant forever?

<sup>5</sup> “Will you play with him as with a bird,

Or will you bind him for your maidens?

<sup>6</sup> “Will the traders bargain over him?

Will they divide him among the merchants?

<sup>7</sup> “Can you fill his skin with harpoons,

Or his head with fishing spears?

<sup>8</sup> “Lay your hand on him;

Remember the battle; you will not do it again!

<sup>9</sup> “Behold, your expectation is false;

Will you be laid low even at the sight of him?

<sup>10</sup> “No one is so fierce that he dares to arouse him;

Who then is he that can stand before Me?

<sup>11</sup> “Who has given to Me that I should repay *him*?

*Whatever* is under the whole heaven is Mine.

<sup>12</sup> “I will not keep silence concerning his limbs,

Or his mighty strength, or his orderly frame.

<sup>13</sup> “Who can strip off his outer armor?

Who can come within his double mail?

<sup>14</sup> “Who can open the doors of his face?

Around his teeth there is terror.

<sup>15</sup> "His strong scales are *his* pride,

Shut up *as with* a tight seal.

<sup>16</sup> "One is so near to another

That no air can come between them.

<sup>17</sup> "They are joined one to another;

They clasp each other and cannot be separated.

<sup>18</sup> "His sneezes flash forth light,

And his eyes are like the eyelids of the morning.

<sup>19</sup> "Out of his mouth go burning torches;

Sparks of fire leap forth.

<sup>20</sup> "Out of his nostrils smoke goes forth

As *from* a boiling pot and *burning* rushes.

<sup>21</sup> "His breath kindles coals,

And a flame goes forth from his mouth.

<sup>22</sup> "In his neck lodges strength,

And dismay leaps before him.

<sup>23</sup> "The folds of his flesh are joined together,

Firm on him and immovable.

<sup>24</sup> "His heart is as hard as a stone,

Even as hard as a lower millstone.

<sup>25</sup> "When he raises himself up, the mighty fear;

Because of the crashing they are bewildered.

<sup>26</sup> "The sword that reaches him cannot avail,

Nor the spear, the dart or the javelin.

<sup>27</sup> "He regards iron as straw,

Bronze as rotten wood.

<sup>28</sup> "The arrow cannot make him flee;

Sling-stones are turned into stubble for him.

<sup>29</sup> "Clubs are regarded as stubble;

He laughs at the rattling of the javelin.

<sup>30</sup> "His under-parts are *like* sharp potsherds;

He spreads out *like* a threshing sledge on the mire.

<sup>31</sup> "He makes the depths boil like a pot;

He makes the sea like a jar of ointment.

<sup>32</sup> "Behind him he makes a wake to shine;

One would think the deep to be gray-haired.

<sup>33</sup> "Nothing on earth is like him,

One made without fear.

<sup>34</sup> "He looks on everything that is high;

He is king over all the sons of pride."