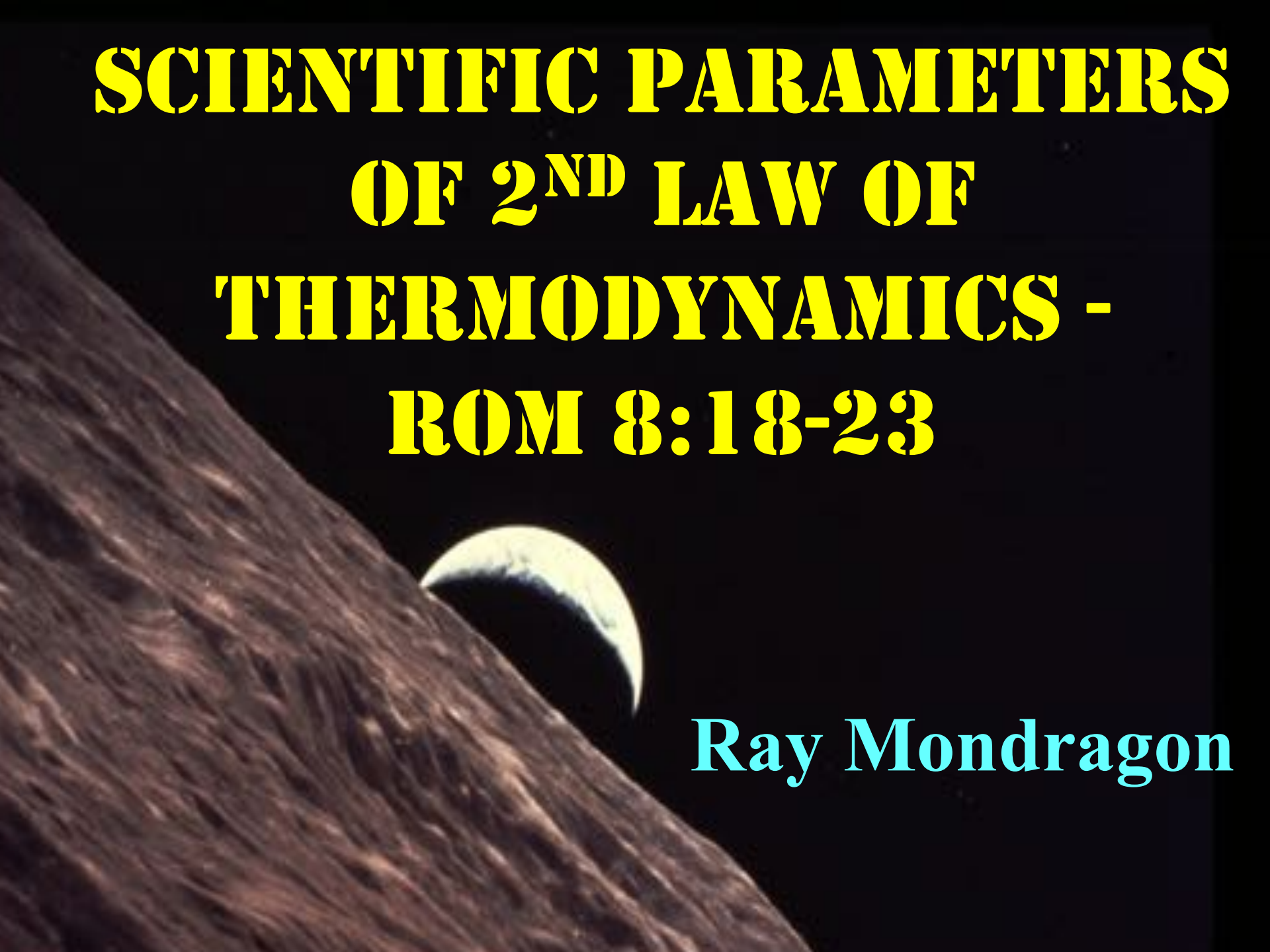


**SCIENCE &**

**SCRIPTURE**



**SCIENTIFIC PARAMETERS  
OF 2<sup>ND</sup> LAW OF  
THERMODYNAMICS -  
ROM 8:18-23**

**Ray Mondragon**





**Colosseum**

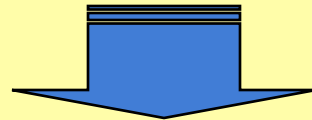
**JUSTIFICATION**

3:21-5:21



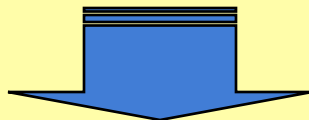
**SANCTIFICATION**

6-8



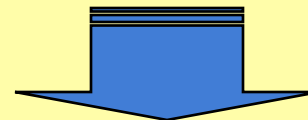
6

**PRINCIPLES**



7

**PROBLEMS**



8

**POWER**

# OUTLINE

## C. Sanctification

6-8

### 3. Power

8

a. Power over Sinful Flesh

8:1-11

b. Sonship of Sanctification

8:12-17

c. Suffering in Sanctification

8:18-30

1) Future Hope in Suffering

8:18-25

a) Antithesis to Suffering

8:18

**8:18 For I consider that the sufferings of this present time are not worthy to be compared with the glory that is to be revealed to us.**

# λογιζομαι (logizomai)

1. Term - logic (λογος),  
mathematical, accounting  
in science a reasoned conclusion  
after all data evaluated

$$Q = W + U_1 - U_2$$

Q = Heat Absorbed

W = Work

U = Energy State



# SCIENCE INSIGHTS

1. Reasoned conclusion - 18  
λογισμοι



# OUTLINE

<b>C. Sanctification</b>	<b>6-8</b>
<b>3. Power</b>	<b>8</b>
<b>a. Power over Sinful Flesh</b>	<b>8:1-11</b>
<b>b. Sonship of Sanctification</b>	<b>8:12-17</b>
<b>c. Suffering in Sanctification</b>	<b>8:18-30</b>
<b>1) Future Hope in Suffering</b>	<b>8:18-25</b>
<b>a) Antithesis to Suffering</b>	<b>8:18</b>
<b>b) Anticipation of Glory</b>	<b>8:19-21</b>
<b>(1) Waiting of Creation</b>	<b>8:19</b>

**8:19 For the anxious longing of the creation waits eagerly for the revealing of the sons of God.**

# SCIENCE INSIGHTS

1. Reasoned conclusion - 18

λογιζομαι

2. Prediction of Model - 19

eager anticipation

**8:19 For the anxious longing of the creation waits eagerly for the revealing of the sons of God.**

# SCIENCE INSIGHTS

1. Reasoned conclusion - 18

λογιζομαι

2. Prediction of Model - 19

eager anticipation

3. Nature realm - creation

# OUTLINE

<b>C. Sanctification</b>	<b>6-8</b>
<b>3. Power</b>	<b>8</b>
<b>c. Suffering in Sanctification</b>	<b>8:18-30</b>
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<b>b) Anticipation of Glory</b>	<b>8:19-21</b>
<b>(1) Waiting of Creation</b>	<b>8:19</b>
<b>(2) Subjection of Creation</b>	<b>8:20</b>

**8:20 For the creation was  
subjected to futility, not  
willingly, but because of Him  
who subjected it, in hope**



# SCIENCE INSIGHTS

4. Historical event - aorist 20

5. Outside cause - passive



# SCIENCE PARAMETERS

## I. Not eternal



**8:20 For the creation was  
subjected to futility, not  
willingly, but because of Him  
who subjected it, in hope**

# SCIENCE INSIGHTS

- 4. Historical event - aorist 20
- 5. Outside cause - passive
- 6. Changed nature - futurity



# SCIENCE PARAMETERS

**I. Not eternal**

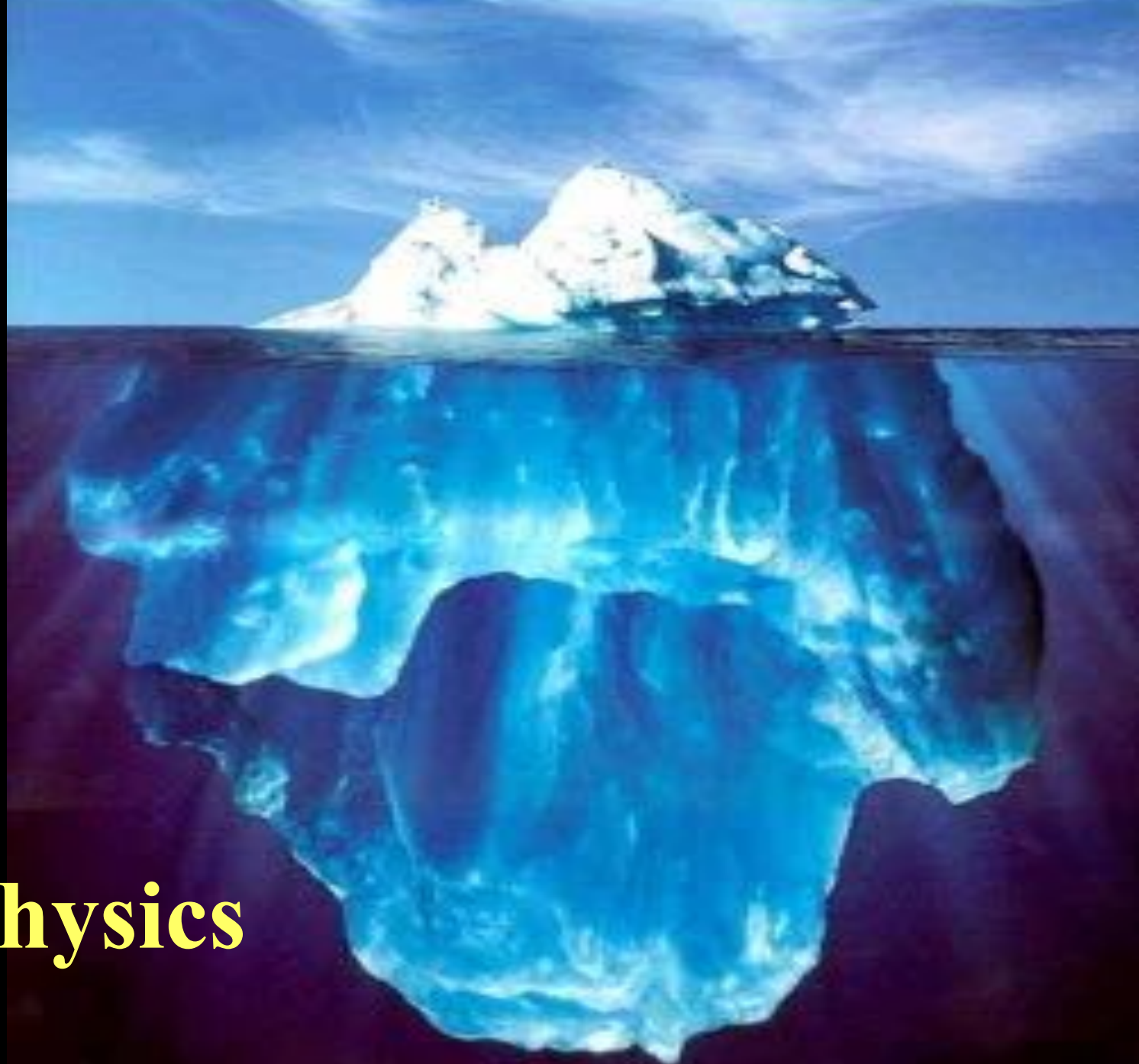
**II. Has beginning**



# **PHYSICAL EFFECTS**

**Rom 8:19-22**

- **Zoology -** serpent cursed
- **Anthropology -** woman's pain
- **Geophysics -** ground cursed
- **Botany -** thorns & thistles
- **Physics -** toil, sweat, death
- **Environmentalism -** inefficiency



**Physics**

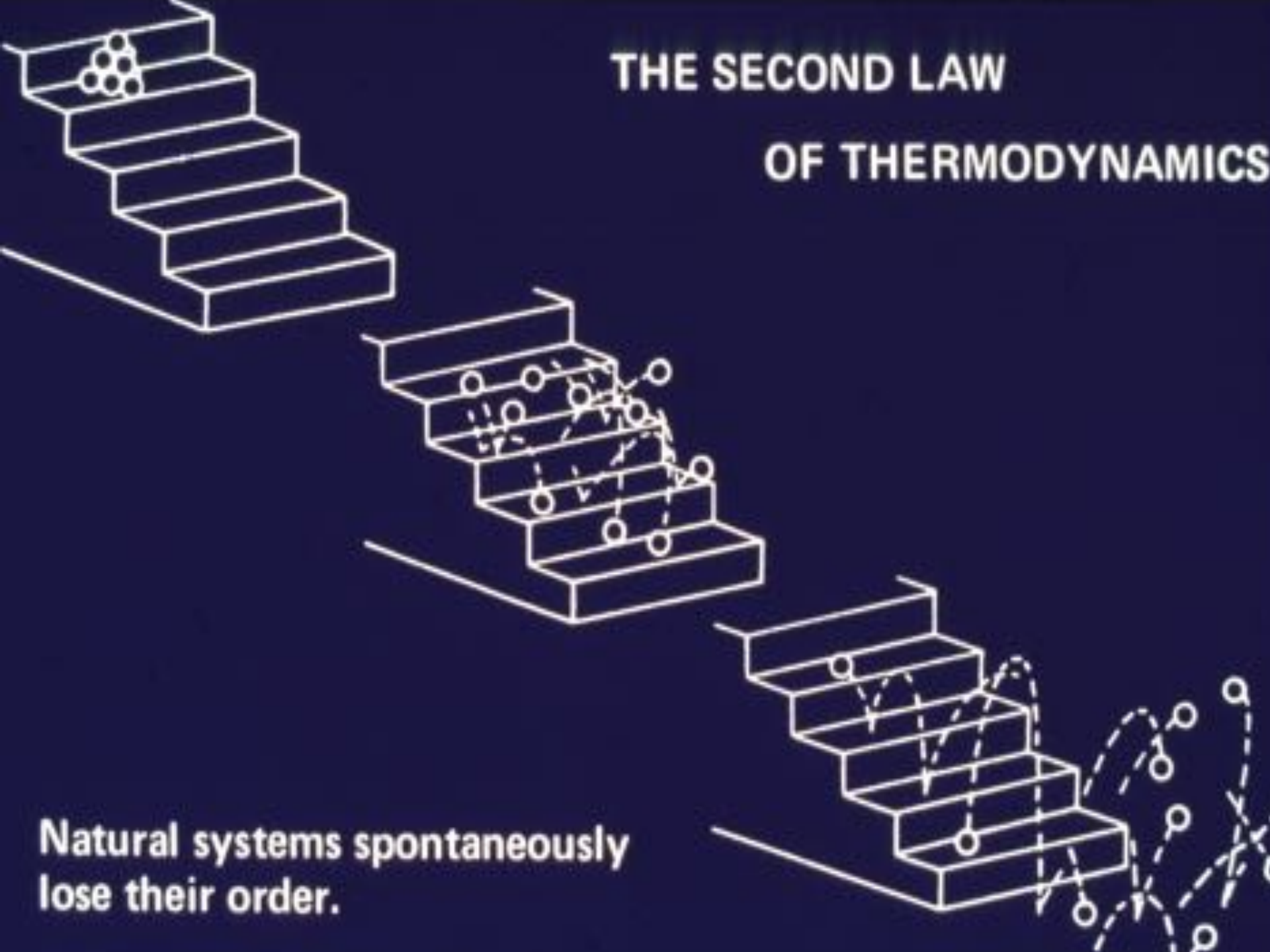
# 2<sup>nd</sup> LAW of Thermodynamics

- Irreversible tendency to unwind
- Movement from organization to disorganization
- Law of decay
- Isa 51:6, Ro 8:20-22



# THE SECOND LAW

## OF THERMODYNAMICS



Natural systems spontaneously lose their order.

**“Thus, heat always flows spontaneously from a hotter to a colder body; gases always seep thru an opening spontaneously from a region of high pressure to a region of low pressure; gases & liquids left by themselves always tend to mix, not unmix. ... Rocks weather & crumble; iron rusts; people grow old. These are all examples of **irreversible** processes that take place naturally in only one direction &, by their one-sidedness, express the 2nd law of thermodynamics.”**

**Sears & Zemansky**

# JUST OUTSIDE THE BOX



Mum, you can't fight the 2nd law of thermodynamics  
All things, which includes bedrooms, move from a state of order  
to disorder

# 2<sup>nd</sup> LAW of Thermodynamics

➤ Futility - entropy

**8:20 For the creation was  
subjected to futility, not  
willingly, but because of Him  
who subjected it, in hope**

# SCIENCE INSIGHTS

4. Historical event - aorist 20

5. Outside cause - passive

6. Changed nature - futurity

7. Outside agency - unwilling

**8:20 For the creation was  
subjected to futility, not  
willingly, but because of Him  
who subjected it, in hope**

# SCIENCE INSIGHTS

4. Historical event - aorist 20

5. Outside cause - passive

6. Changed nature - futility

7. Outside agency - unwilling

8. Divine action - He subjected



# SCIENCE PARAMETERS

**I. Not eternal**

**II. Has beginning**

**III. Under Sovereign, Divine control**



# OUTLINE

- C. Sanctification** 6-8
  - 3. Power** 8
    - c. Suffering in Sanctification** 8:18-30
      - 1) Future Hope in Suffering** 8:18-25
        - a) Antithesis to Suffering** 8:18
        - b) Anticipation of Glory** 8:19-21
          - (1) Waiting of Creation** 8:19
          - (2) Subjection of Creation** 8:20
          - (3) Anticipation of Creation** 8:21

**8:20-21 For the creation was subjected to futility, not willingly, but because of Him who subjected it, in hope 21 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.**

**8:20-21** For the creation was subjected to futility, not willingly, but because of Him who subjected it, in hope **21 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.**

# SCIENCE INSIGHTS

4. Historical event - aorist 20

5. Outside cause - passive

6. Changed nature - futility

7. Outside agency - unwilling

8. Divine action - He subjected

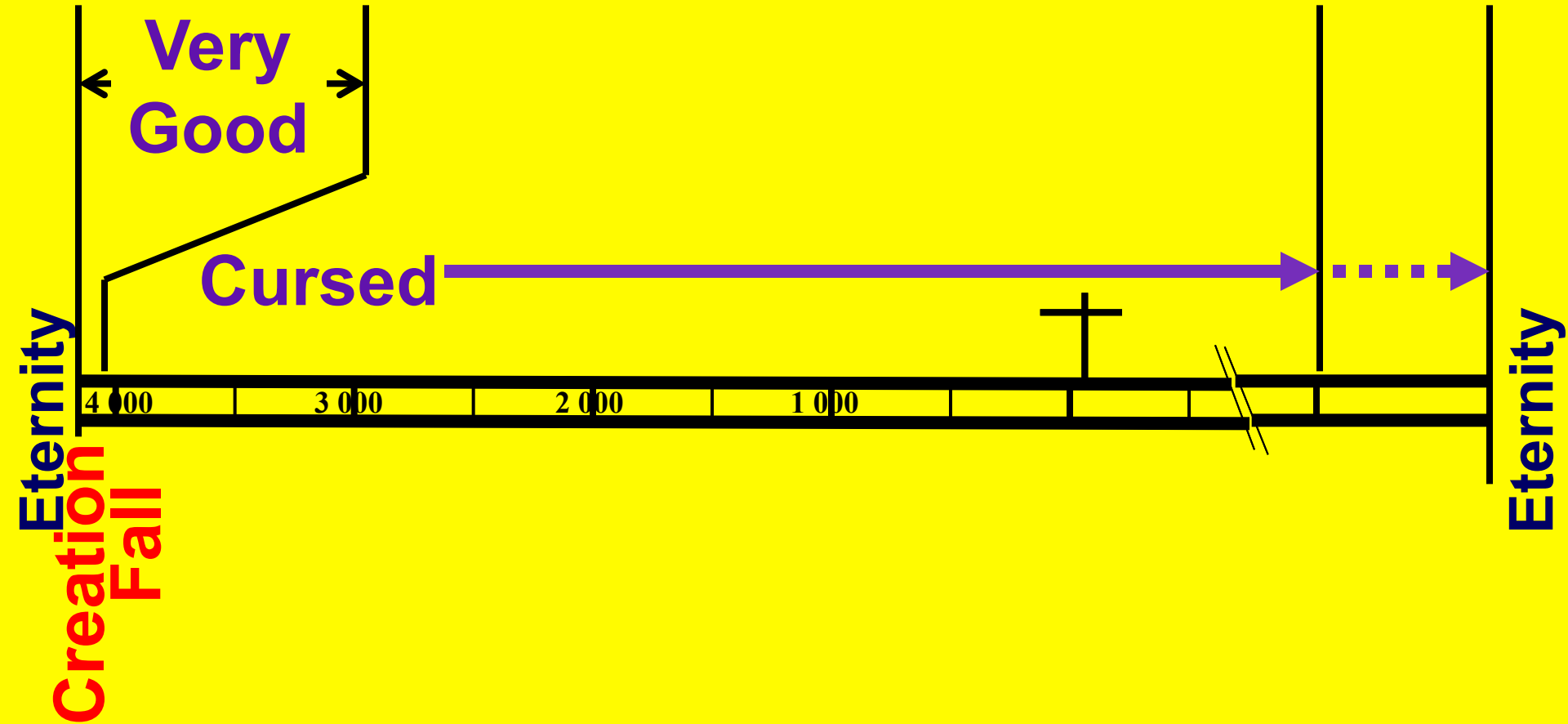
9. Divine purpose - freedom

**8:20-21 For the creation was subjected to futility, not willingly, but because of Him who subjected it, in hope 21 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.**

# 2<sup>nd</sup> LAW of Thermodynamics

- **Futility - entropy**
- **Slavery - irreversible**
- **Corruption - constant decay**

# RADICAL CHANGES



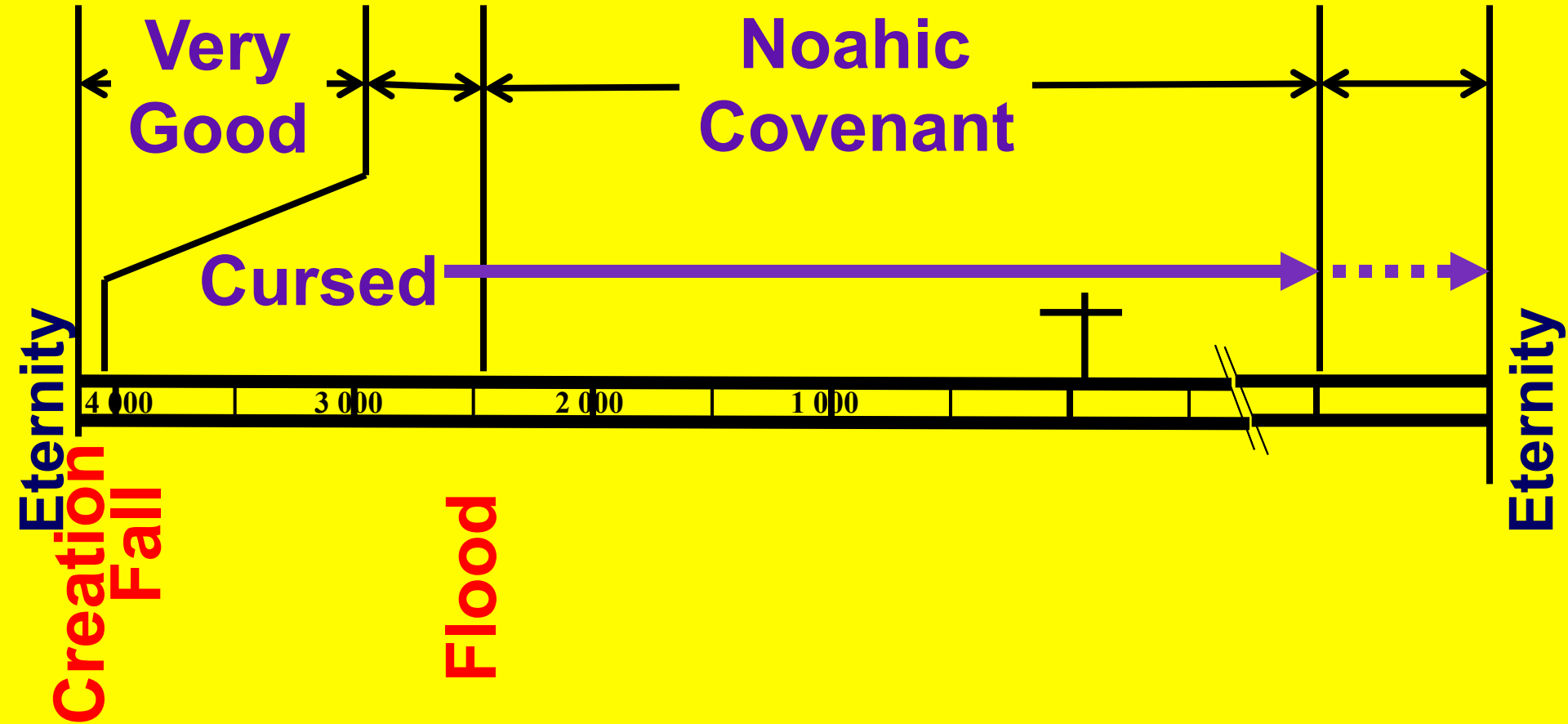


# SCIENCE INSIGHTS

10. Fixity of Law - slavery 21



# RADICAL CHANGES

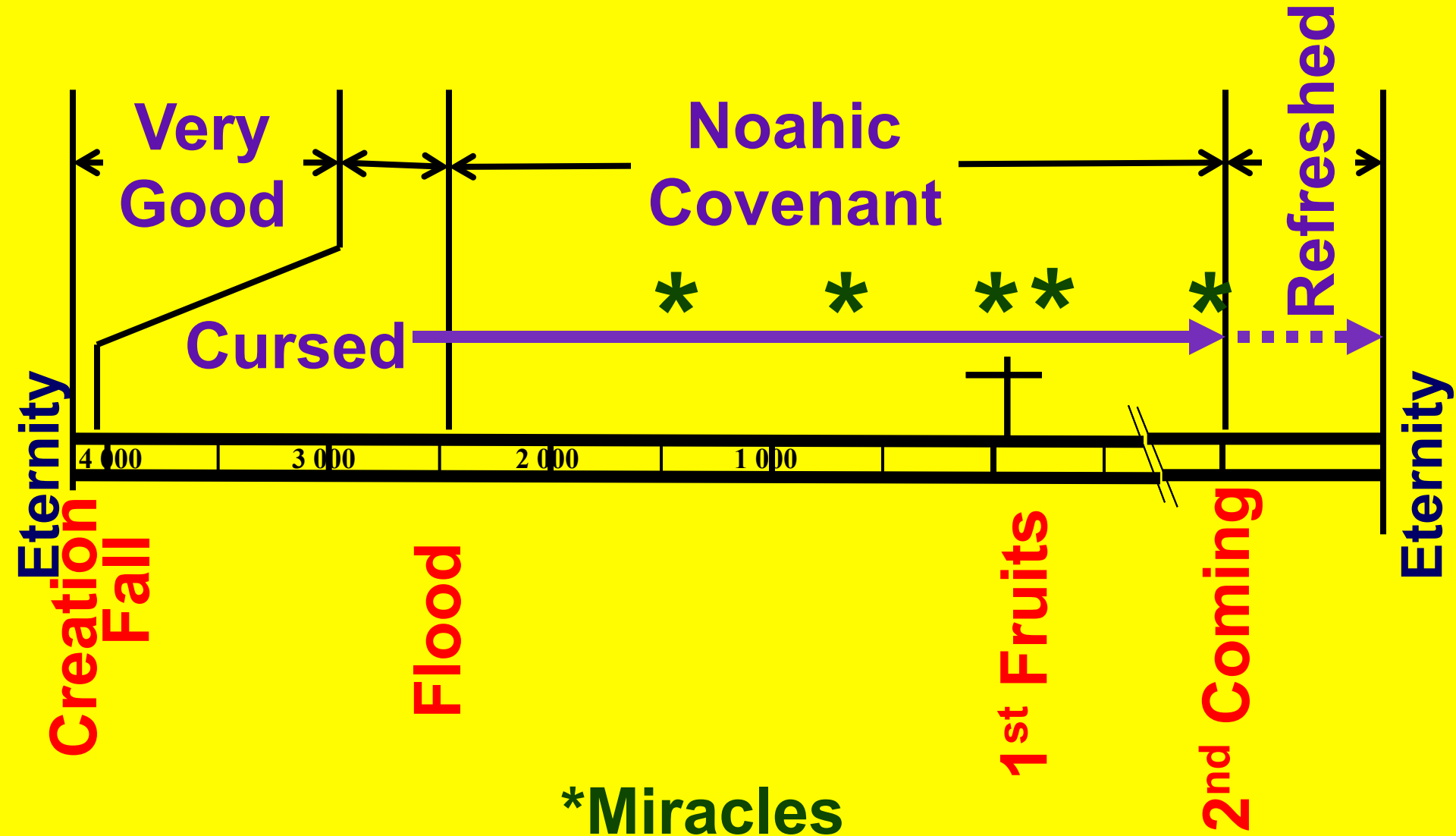


# PHYSICAL EFFECTS

- **Geophysics -** geologic column
- **Tectonics -** continents
- **Climatology -** seasons, ice age
- **Oceanography -** boundaries
- **Orogeny -** high mountains
- **Physics -** constants changed
- **Anthropology -** longevity

**8:20-21 For the creation was subjected to futility, not willingly, but because of Him who subjected it, in hope 21 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.**

# RADICAL CHANGES



# **RESURRECTION**

- **Thermodynamics - 2<sup>nd</sup> law**
- **Newton's Laws of motion**
- **Laws of gravitation**
- **Molecular properties**
- **Chemical composition**
- **Optic properties**
- **Biological cell properties**
- **Nature of immortality**

# SCIENCE INSIGHTS

10. Fixity of Law - corruption 21

11. Need for revelation - in science

12. Radical Transformation - glory



# SCIENCE PARAMETERS



**I. Not eternal**

**II. Has beginning**

**III. Under Sovereign, Divine control**

**IV. Will be partially lifted**



# OUTLINE

<b>C. Sanctification</b>	<b>6-8</b>
<b>3. Power</b>	<b>8</b>
<b>c. Suffering in Sanctification</b>	<b>8:18-30</b>
<b>1) Future Hope in Suffering</b>	<b>8:18-25</b>
<b>a) Antithesis to Suffering</b>	<b>8:18</b>
<b>b) Anticipation of Glory</b>	<b>8:19-21</b>
<b>c) Agonizing Waiting</b>	<b>8:22-23</b>
<b>(1) Groaning of Creation</b>	<b>8:22</b>

**8:22** For we know that the whole creation groans and suffers the pains of childbirth together until now.

# 2<sup>nd</sup> LAW of Thermodynamics

- **Futility - entropy**
- **Slavery - irreversible**
- **Corruption - constant decay**
- **Groaning - increased entropy**







**8:22 For we know that the whole creation groans and suffers the pains of childbirth together until now.**

# 2<sup>nd</sup> LAW of Thermodynamics

- **Futility - entropy**
- **Slavery - irreversible**
- **Corruption - constant decay**
- **Groaning - increased entropy**
- **Suffering - increased disorder**



# OUTLINE

<b>C. Sanctification</b>	<b>6-8</b>
<b>3. Power</b>	<b>8</b>
<b>c. Suffering in Sanctification</b>	<b>8:18-30</b>
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<b>c) Agonizing Waiting</b>	<b>8:22-23</b>
<b>(1) Groaning of Creation</b>	<b>8:22</b>
<b>(2) Groaning of Believers</b>	<b>8:23</b>

**8:23 And not only this, but also we ourselves, having the first fruits of the Spirit, even we ourselves groan within ourselves, waiting eagerly for our adoption as sons, the redemption of our body.**

**8:23 And not only this, but also we ourselves, having the first fruits of the Spirit, even we ourselves groan within ourselves, waiting eagerly for our adoption as sons, the redemption of our body.**

# FIRST FRUITS

## 1. OT Background

Harvest - Ex 23:16, 19, 22:29

## 2. Christ - 1Cor 15:20, 23

More Resurrections

## 3. Here - full future ministry of HS

**8:23** And not only this, but also we ourselves, having the first fruits of the Spirit, **even we ourselves groan within ourselves**, waiting eagerly for our adoption as sons, the redemption of our body.

**8:23** And not only this, but also we ourselves, having the first fruits of the Spirit, even we ourselves groan within ourselves, **waiting eagerly for our adoption as sons, the redemption of our body.**

# **SUMMARY**

- 1. Waiting eagerly - 8:19, 25**
- 2. Adoption as sons - 8:15**
- 3. Redemption of body - 8:18**

**8:23** And not only this, but also we ourselves, having the first fruits of the Spirit, even we ourselves groan within ourselves, waiting eagerly for our adoption as sons, **the redemption of our body.**



# SCIENCE INSIGHTS

10. Fixity of Law - corruption 21

11. Need for revelation - in science

12. Radical Transformation - glory

13. Anthropology - resurrection 23

# **SCIENCE PARAMETERS**

**I. Not eternal**

**II. Has beginning**

**III. Under Sovereign, Divine control**

**IV. Will be partially lifted**

**V. Will be totally, eternally removed**

**Science requires  
REVELATION for  
insight &  
INTERPRETATION!!!**

**(How much of this do you find in  
your thermodynamics text book?)**