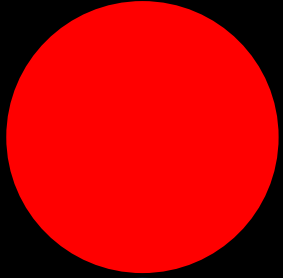


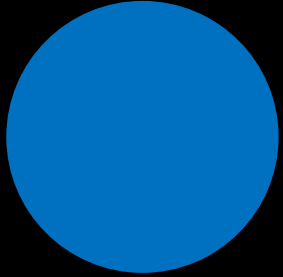
# can creation and modern science co-exist?

aurorae on Saturn | Hubble Space Telescope

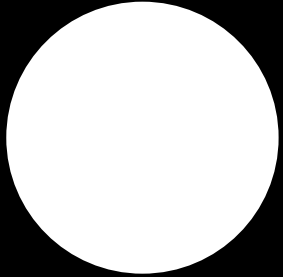




the creation



modern science



can they co-exist?



1

the creation

In the beginning God created  
the heavens and the earth.

Genesis 1:1 NKJV



# What **Gen 1:1** tells us about the **universe**

It was **created** – it didn't appear spontaneously

It was created with **intent, purpose, meaning**

It has a **beginning** – as matter, as time

It encompasses **everything** that there is – “heaven and earth” idiom

It contains **all of space and all of time**

**Laws** established in the beginning were essential for the purpose of the universe.



# What **Gen 1:1** tells us about **God**

God is a **creator** and God is THE Creator – God is omnipotent

God **existed before** the universe came into being – God is eternal

God is **greater** than the universe – it is a product of His will

God exists **outside of space and time** and is bounded by neither

God created a **distinction** between heaven and earth

God added a **spiritual realm** to the physical universe.

# First 4 chapters of Genesis...

## teach the principles of a **God-purposed life**

- Separation of light from dark, day from night, waters above & beneath
- Separation of earth from sea
- Earth to bring forth life of its own
- Two main kingdoms as a result: plant kingdom, animal kingdom
- Separation between animals and man
- The imposition of laws and principles for sustainable life
- The rule of free-will established – of reasoned behaviour
- Separation between animalistic thinking and Godly thinking
- Dealing with failure and error and its consequences of separation
- Principles of restoration and recovery.

# emphasis on the **word** of God

\*thought, intent, action





By the **word** of the LORD the heavens were made,  
And all the host of them by the **breath** of His mouth.

Psalms 33:6 NKJV



Hebrews 11:3 CJB

By trusting, we understand that the universe was created through **a spoken word of God**, so that what is seen did not come into being out of existing phenomena.



Genesis teaches the **why**  
not the how

\*it is not a scientific text

Isaiah 45:18 NKJV

For thus says the LORD,  
Who created the heavens,  
Who is God,  
Who formed the earth and made it,  
Who has established it,  
**Who did not create it in vain,**  
**Who formed it to be inhabited:**  
"I am the LORD, and there is no other.





2

# modern **science**

\*science deals with the HOW questions

# Science has to do with **measurement**

\*if it can't be measured science does not apply





**Keck Observatory** telescopes on Mauna kea in Hawaii  
the world's largest optical and infrared telescopes.



**Ask a Question**

**Do Background Research**

**Construct a Hypothesis**

**Test with an Experiment**

**Procedure Working?**

**No**

**Yes**

**Analyze Data and Draw Conclusions**

**Results Align with Hypothesis**

**Results Align Partially or Not at All with Hypothesis**

**Communicate Results**

**Experimental data becomes background research for new/future project. Ask new question, form new hypothesis, experiment again!**

What does modern  
science have to say  
about “**creation**”?

# A life-friendly universe

A bio-friendly universe that seems pre-prepared for life

A universe with laws, mechanisms and processes established from the beginning

Ordered processes that support and sustain life

For example, the chemistry of carbon:

Physical

Chemical

Biological

Without any of these – there would be **no life**

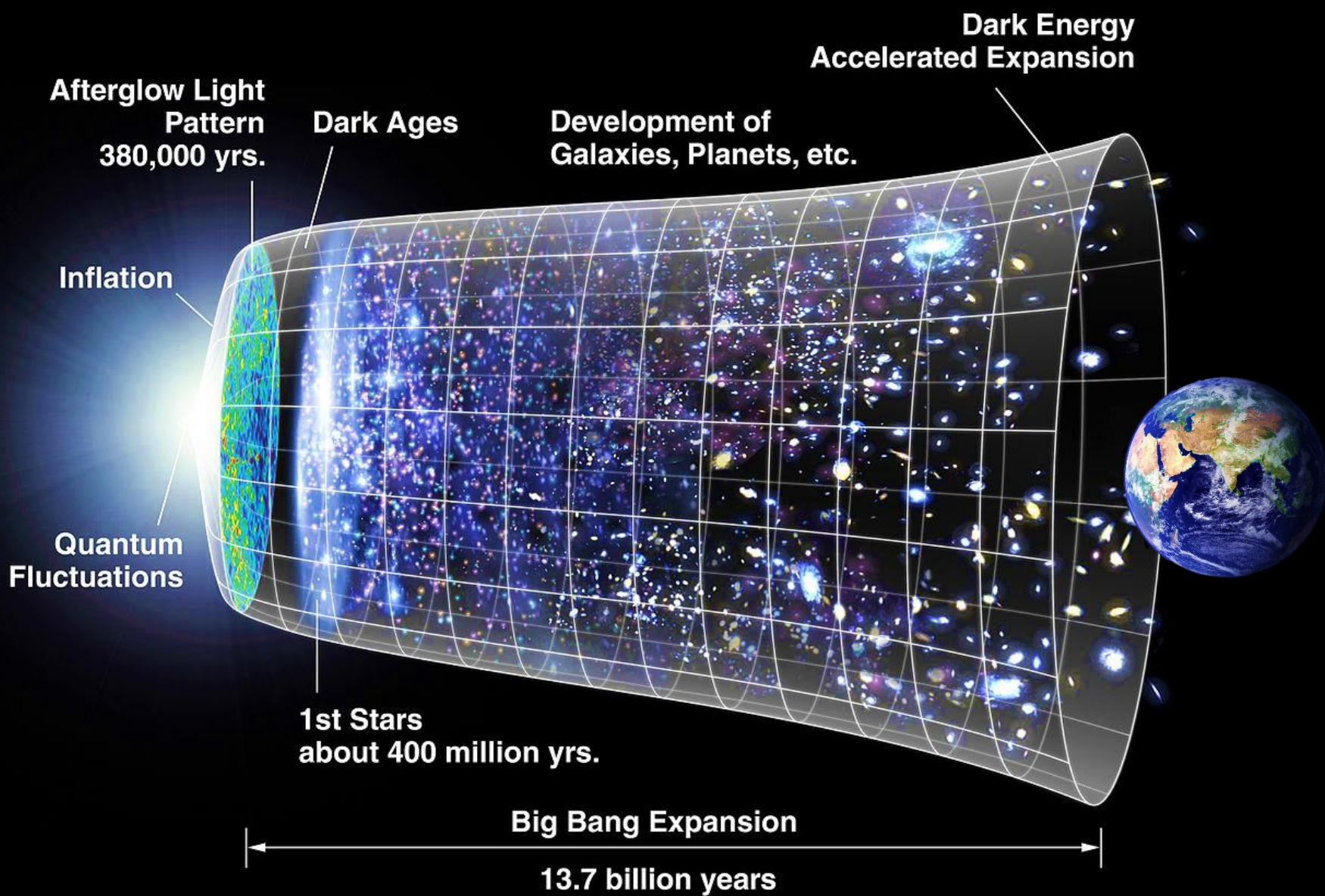






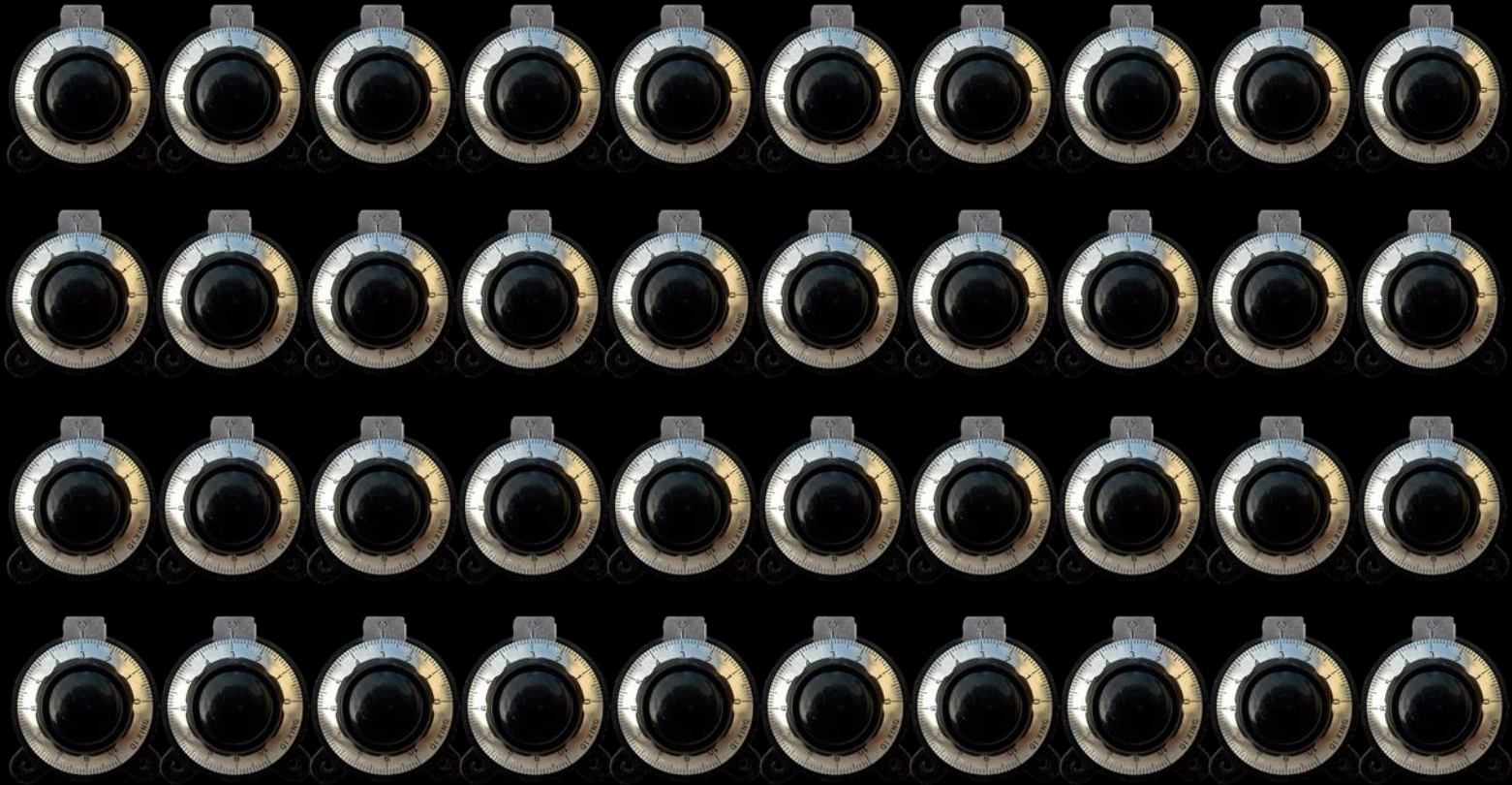
**a fine-tuned universe**

anthropic = life supporting





fine-tuning of about **40 key parameters**



**perfectly** adjusted in 1 picosecond = 0.000,000,000,001 second



## **Professor Martin Rees**

The Lord Rees of Ludlow  
OM FRS FREng FMedSci FRAS

### **British cosmologist and astrophysicist**

Astronomer Royal  
Master of Trinity College, Cambridge  
President of the Royal Society

# fine-tuning of the Universe in **6** numbers

**N** – if smaller, only a **small and short-lived universe** could exist

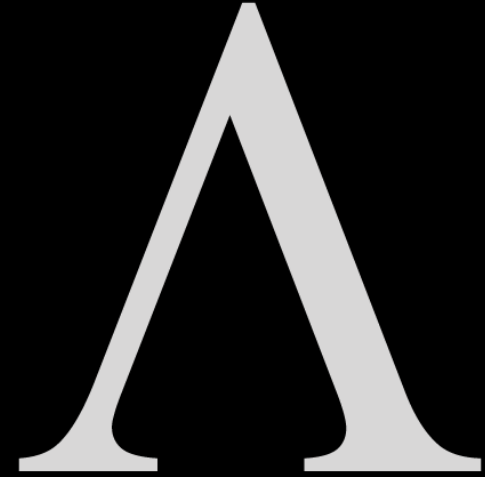
**Epsilon** – If 0.006 or above, **only hydrogen could exist**, and **complex chemistry would be impossible**

**Omega** – if too big the universe would have **collapsed**, if too weak, **no stars** would have formed

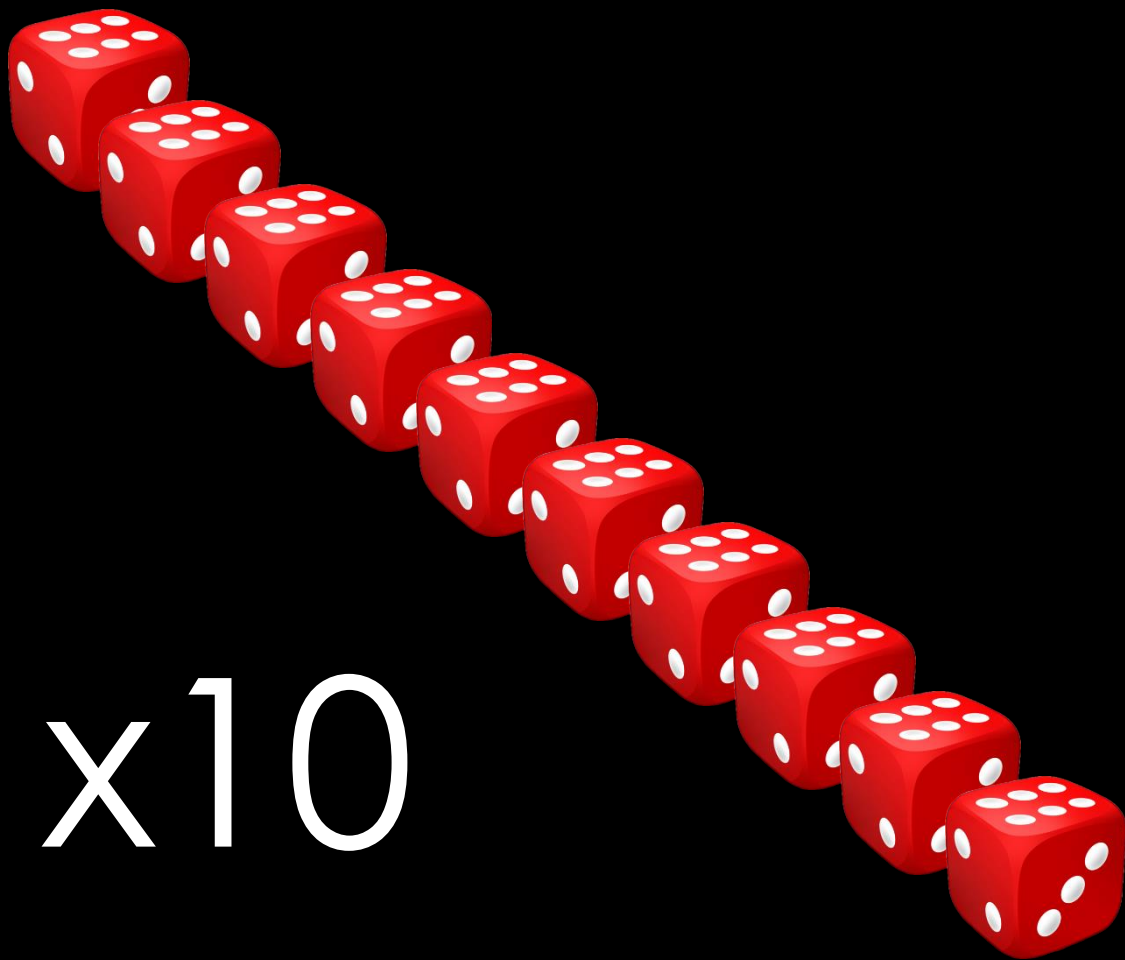
**Lambda** – If not extremely small and stable, **no stars and galaxies** would be able to form

**Q** – If too small, **no stars could form**, if too large, **no stars could survive** the violent universe

**D** – **life could not exist** if there were 2 or 4 dimensions



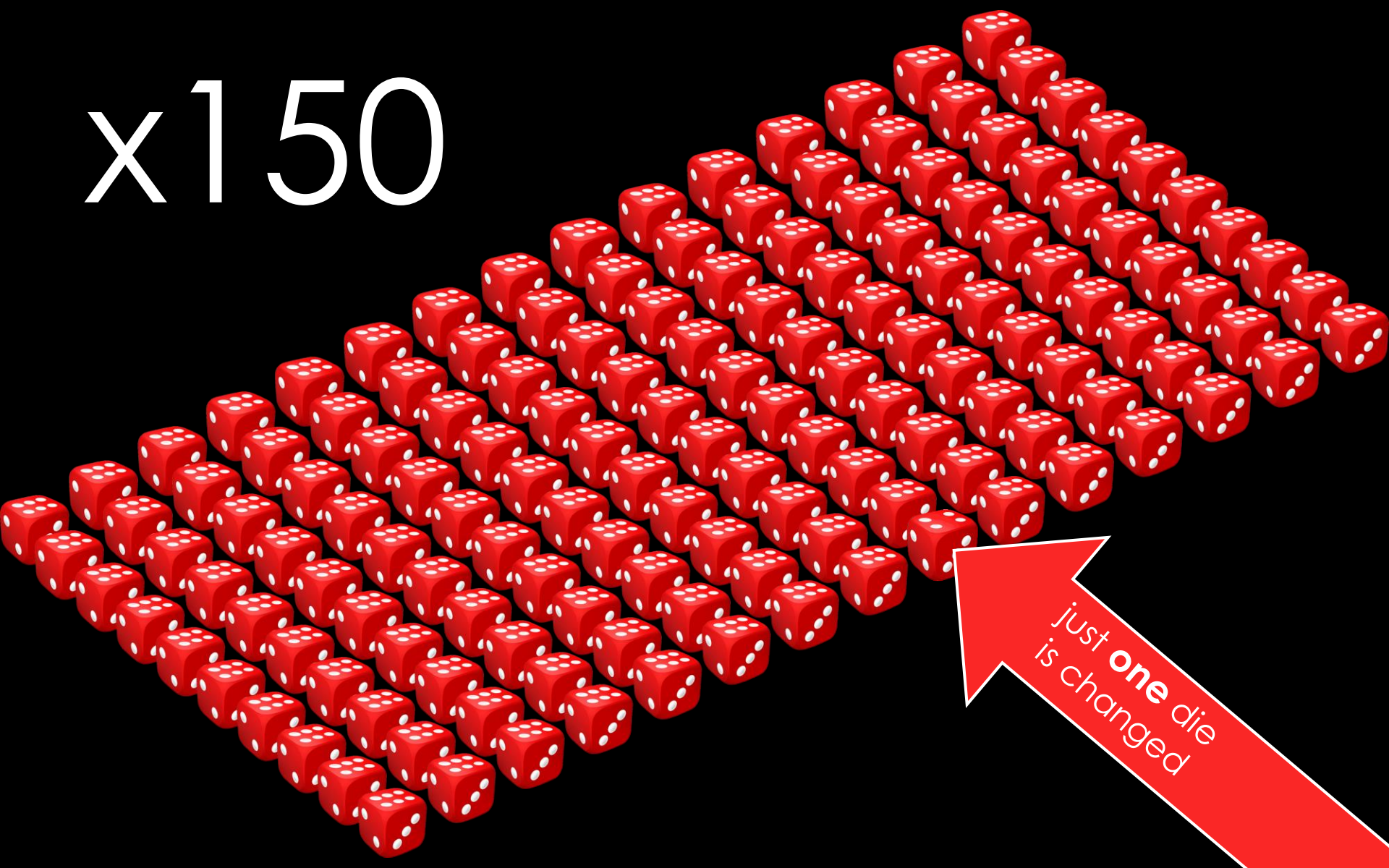
cosmological constant



x10



x150

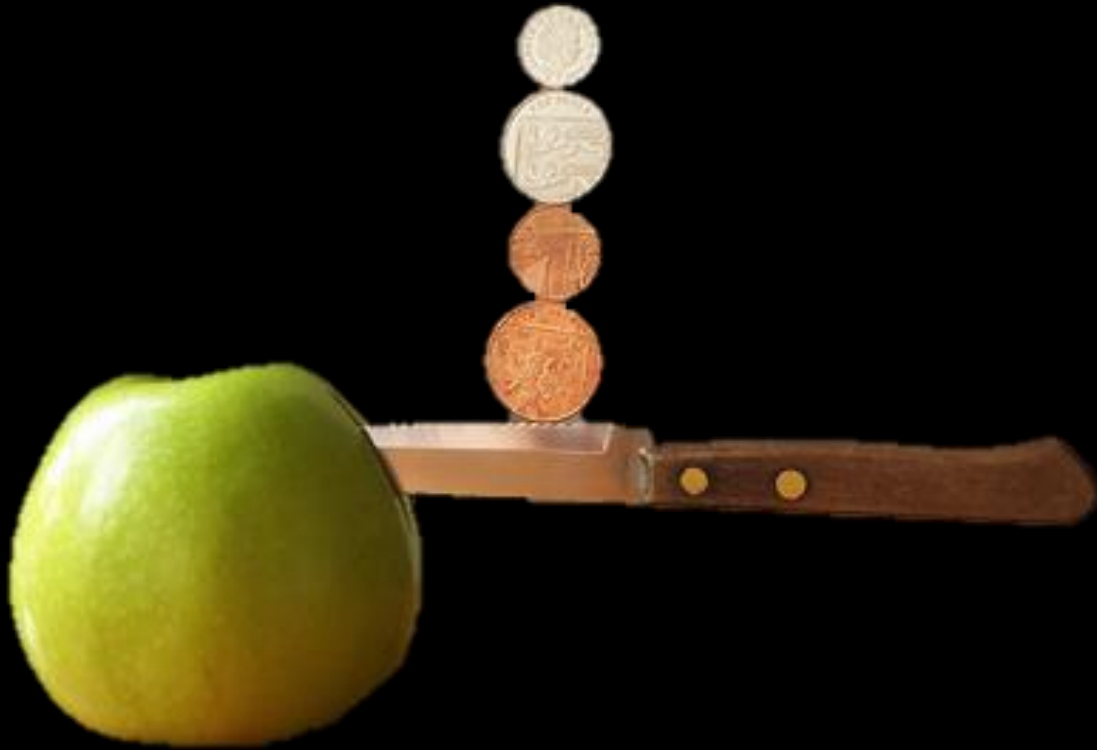


just **one** die  
is changed



there would be **no life**

parameters so finely balanced that the slightest error would result in **no life**



What is  
modern  
science's  
response to a  
fit-for-life  
universe?

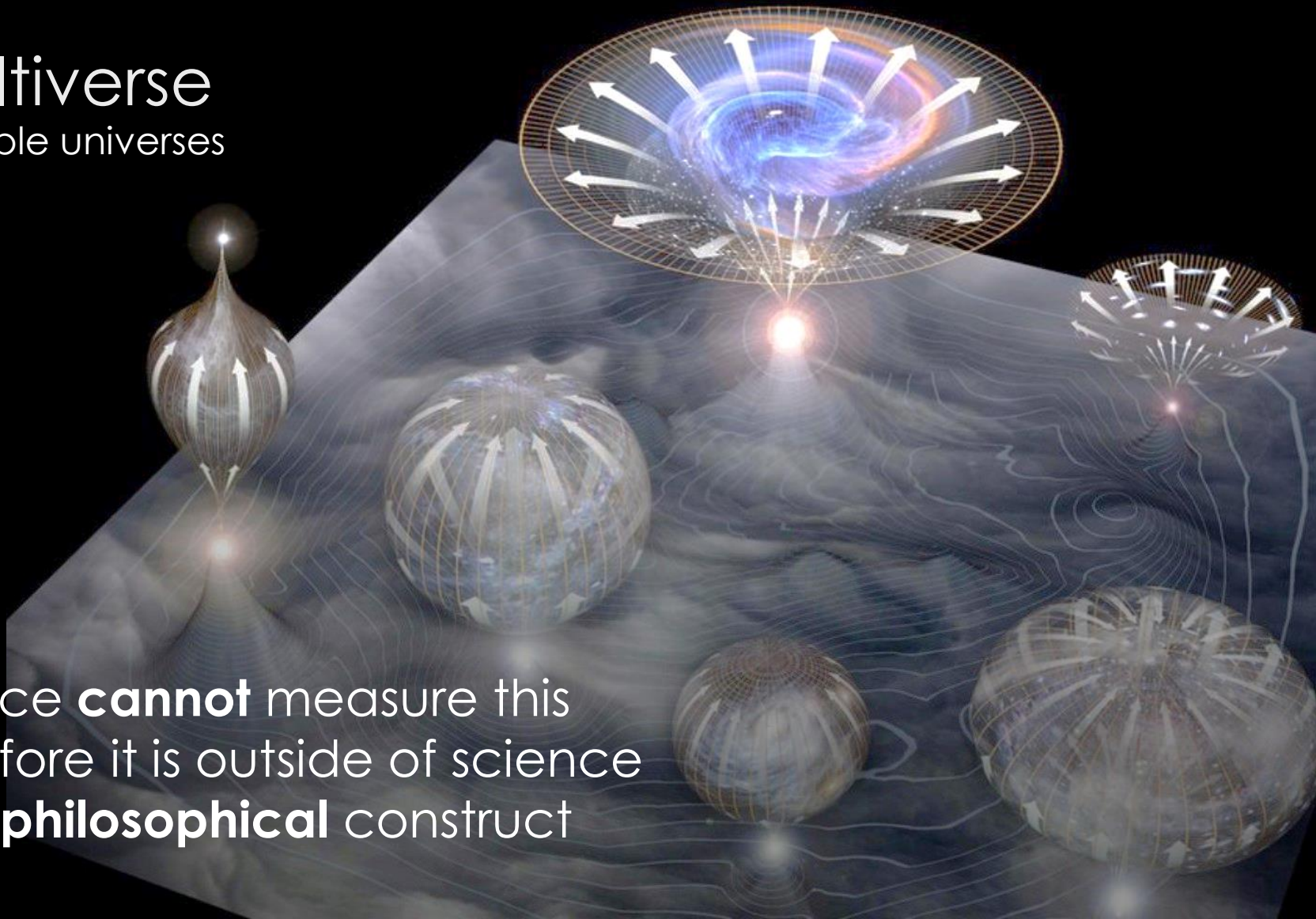


a decidedly **un**scientific  
response

# Multiverse

\*multiple universes

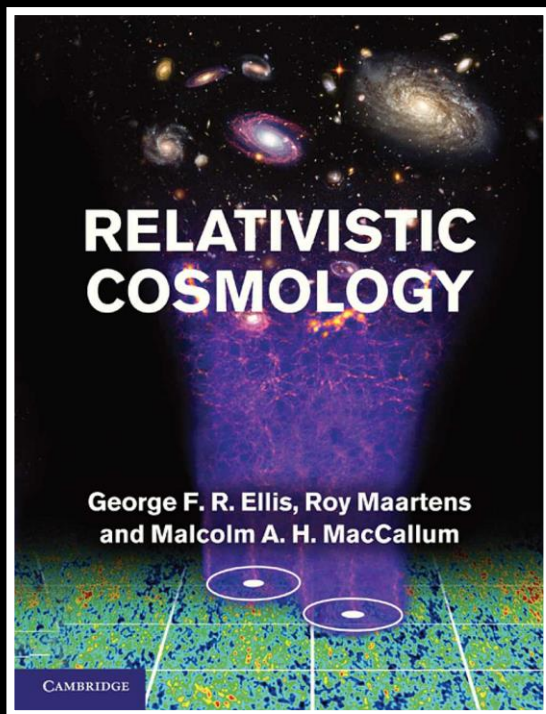
Science **cannot** measure this  
Therefore it is outside of science  
It is a **philosophical** construct





# Professor George FR Ellis

Cosmologist & Mathematician:  
University of Cape Town & Cambridge University



he believes in a God



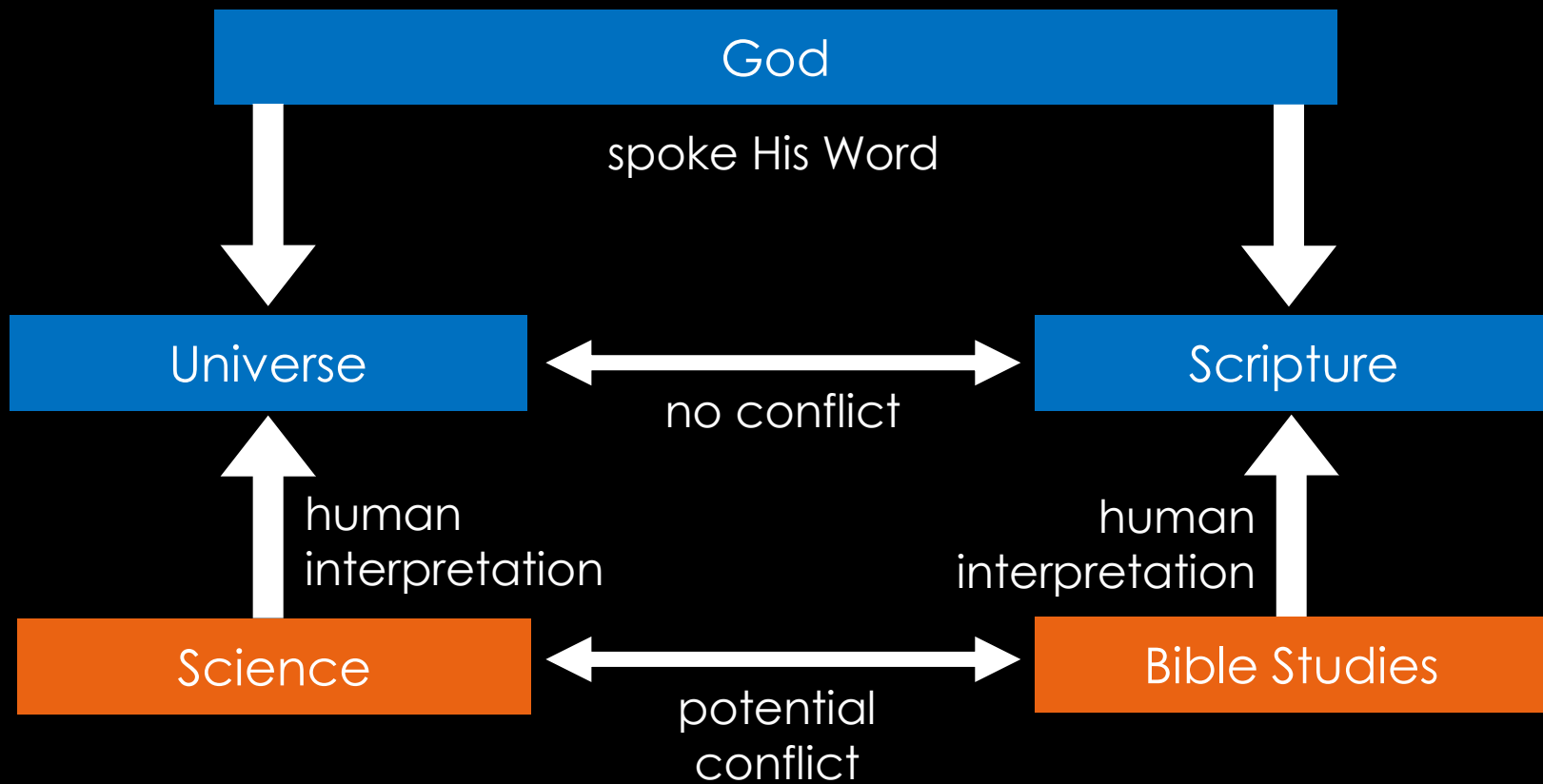


**Prof. George FR Ellis:** Amazing fine-tuning occurs in the laws that make this [complexity] possible. Realisation of the complexity of what is accomplished makes it very difficult not to use the word “**miraculous**”...

3

so can creation &  
science co-exist?

it depends...





God's WORLD



General Revelation

God's WORD



Special Revelation

**both** require reason and logic to understand them

The principles of the  
**natural** - the **HOW**  
should lead us to seek the  
**spiritual** - the **WHY**

Theology



Ethics

Cosmology

Applied Sciences

Astrophysics

Social Sciences

Ecology & Geology

Psychology



Biology

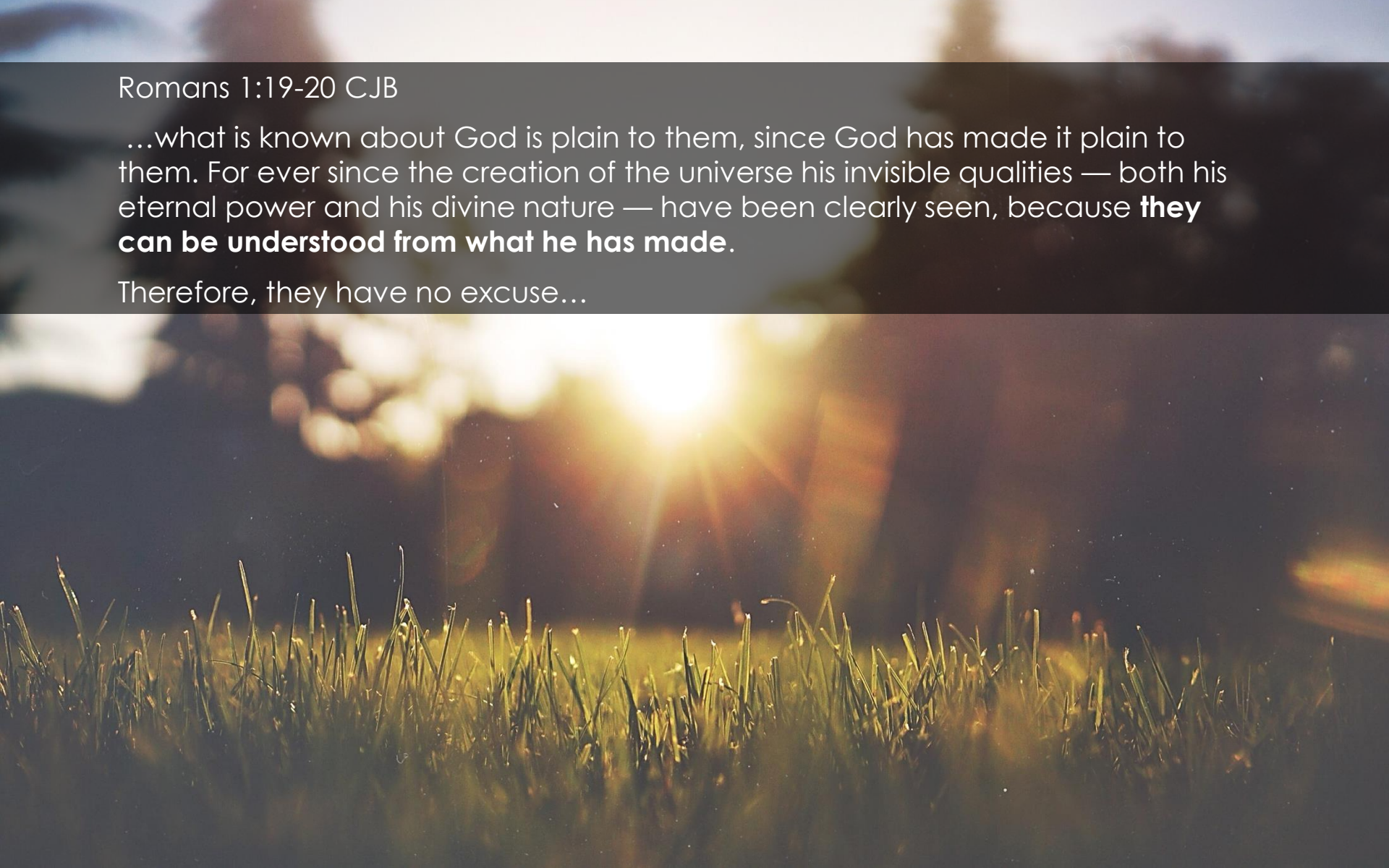
Chemistry

Physics

Mathematics & Logic

WHY

HOW



Romans 1:19-20 CJB

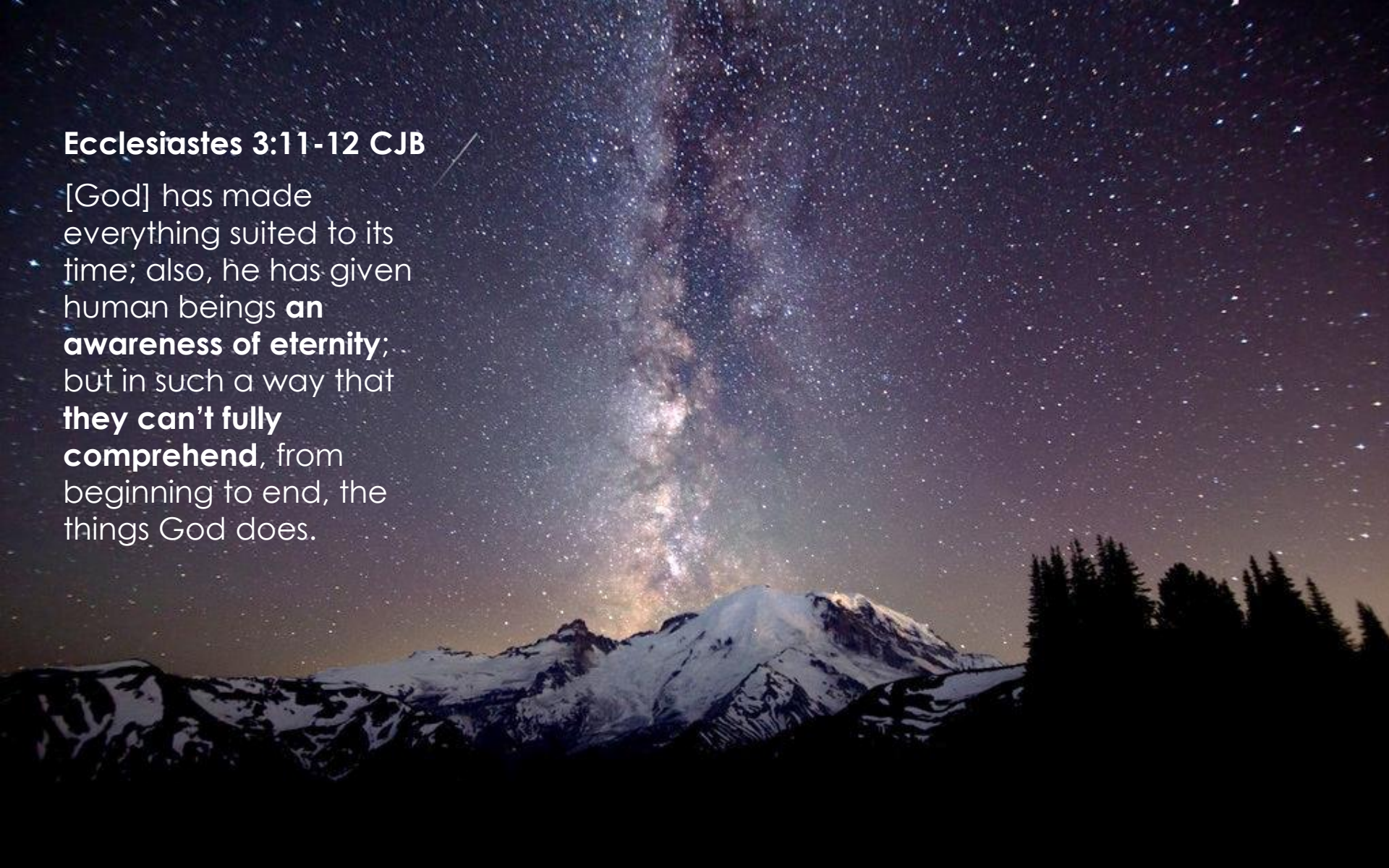
...what is known about God is plain to them, since God has made it plain to them. For ever since the creation of the universe his invisible qualities — both his eternal power and his divine nature — have been clearly seen, because **they can be understood from what he has made.**

Therefore, they have no excuse...



## Ecclesiastes 3:11-12 CJB

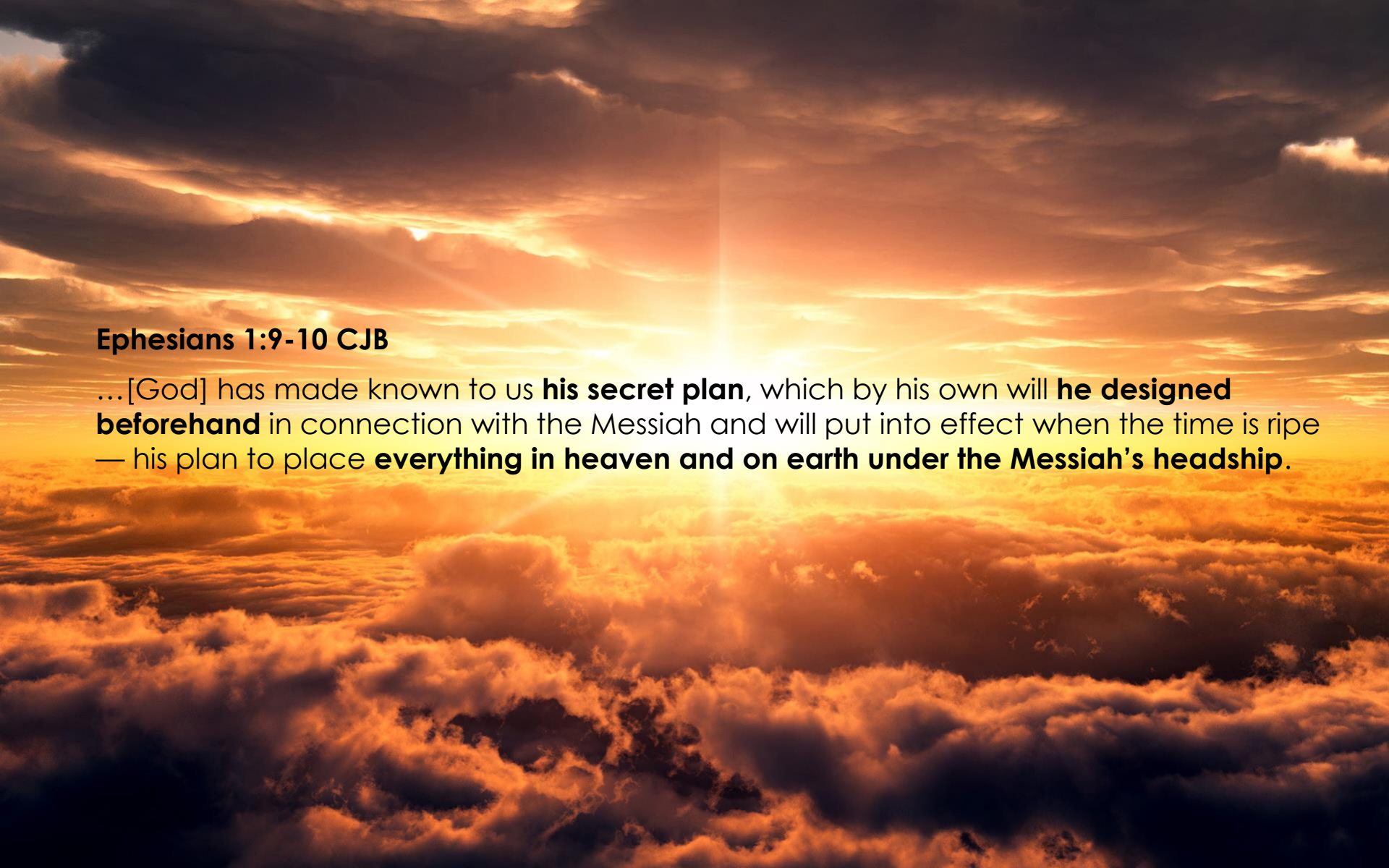
[God] has made everything suited to its time; also, he has given human beings **an awareness of eternity**; but in such a way that **they can't fully comprehend**, from beginning to end, the things God does.



re-uniting  
Heaven and Earth

and the missing key is...  
the **Lord Jesus Christ**





## Ephesians 1:9-10 CJB

...[God] has made known to us **his secret plan**, which by his own will **he designed beforehand** in connection with the Messiah and will put into effect when the time is ripe — his plan to place **everything in heaven and on earth under the Messiah's headship**.



# Heaven and Earth re-united through Jesus Christ alone

Colossians 1:15-20 NKJV

[Jesus] is the image of the invisible God, **the firstborn over all creation**. For by Him all things were created that are in heaven and that are on earth, visible and invisible, whether thrones or dominions or principalities or powers.

All things were created **through Him and for Him**. And He is before all things, and in Him all things consist. And He is the head of the body, the church, who is the beginning, the firstborn from the dead, that in all things **He may have the preeminence**.

For it pleased the Father that in Him all the fullness should dwell, and by Him to reconcile all things to Himself, by Him, whether things on **earth** or things in **heaven**, having made peace through the blood of His cross.



So if God's Word could  
create the heavens and  
the earth...

...how much is it  
changing **you** to be part  
of God's new **spiritual**  
**creation** in Jesus?



Revelation 22:12-14 NKJV

And behold [says Jesus], I am coming quickly, and My reward is with Me, to give to every one according to his work. I am the Alpha and the Omega, the Beginning and the End, the First and the Last."

**Blessed are those who do His commandments, that they may have the right to the tree of life...**

**AMEN**