



The Heavens Declare the Glory of God...
The Law of the Lord is Perfect, Restoring the Soul
Psalm 19:1a,9a

2- Comets Part 1

What We Want to Accomplish

- Accurate Creation Science
- The Past Was Very Different Than Today
- Science **Must** be Proven & Provable

Accurate Creation Science begins with and operates most fruitfully from the Word of God as it was intended to be understood.

Unlike the modern adage of Chas. Lyell, "The present is the key to the past, (for which there is 0 evidence) past processes were very different than they are today.

All scientists, including Creation scientists must operate with tested hypotheses as new data becomes available. Before all is keeping with what the Bible says. "What Where the Waters Above the Firmament?"
<https://www.icr.org/article/what-were-waters-above-firmament>

Review of Worldviews

Authority - 2 Tim 3:16-17
Gentleness - 1 Peter 2:17
Compassion - Colossians 3:12-13
Worship - Psalm 111:2
Definition – "A person's way of thinking about and understanding life, which depends on their beliefs and attitudes."
Ultimately Two: Biblical or Human -made

<p style="text-align: center;">Genre – Reading Styles</p> <p>“A person’s way of thinking about and understanding life, which depends on their beliefs and attitudes.”</p> <p>3-Fold Aspect of Genesis 1-11:</p> <ol style="list-style-type: none"> 1. Accurate historical account, 2. Magisterial Literary Presentation 3. Foundational Theological Treatise 	<p>Genre a fifty cent word – Bing Search Definition: ”Genre refers to a particular subject or style of literature, art, or music¹. It is a type of art, literature, or music characterized by a specific form, content, and style². Examples of genres include:</p> <ul style="list-style-type: none"> • Literature: poetry, drama, fiction, and non-fiction. • Music: rock, jazz, classical, and hip-hop. • Film: action, comedy, drama, and horror. • Art: landscape, portrait, still life, and abstract.” <p>It’s a bucket we use to classify what we’re reading.</p> <p>Using a historic narrative genre - (define) favoring literal but reasonable “In the beginning...” historic narrative, “I think that I shall never see...” poetry, fiction. Almost all of Gen 1-11 is historic narrative. Per Steve Boyd, PhD, Hebraist:</p> <p>Three Fold Aspect: 1-Accurate historical account, 2-Magesterial Literary Presentation 3-Foundational Theological Treatise,</p>
<p style="text-align: center;">In the Beginning – Very Different Than Now</p> <p>Charles Lyell – “The Present is the Key to the Past” Moses – “The Past is the Key to the Present”</p> <p>Differences Today Examples</p> <ul style="list-style-type: none"> • Speed of Light (Very Likely) • Radioactive Decay (Very Likely) • Geological Sedimentation (60 years) • Plate Tectonics (40 years) • Giantism & Aging 1 year) 	<p>Things were not the same as they are now (Charles Lyell, Scottish geologist wrote in the 1830’s of the principal of uniformitarianism)</p> <p>It is “the doctrine suggesting that Earth’s geologic processes acted in the same manner and with essentially the same intensity in the past as they do in the present and that such uniformity is sufficient to account for all geologic change. Encyclopedia Britannica Uniformitarianism https://www.britannica.com/science/uniformitarianism</p> <p>It would be a mistake to interpret events then as they now (the earth is not formless and void) appear. (Dinosaurs with people, giantism, speed of light, radioactive decay, including C14</p>

“A More Biblical Cosmology – Russ Humphreys PhD

Science Proposes and Proves or Disproves
This is Humphreys’ Third Refinement

To Show:

- Cosmic Background
- Great Age of Stars

More Biblical Cosmology

Intro starting points and goals

6K year old cosmos

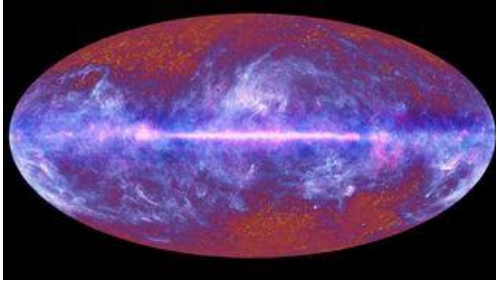
Increasing red shift with increasing distance

Explain CMB

Explain Apparent great age of distant stars

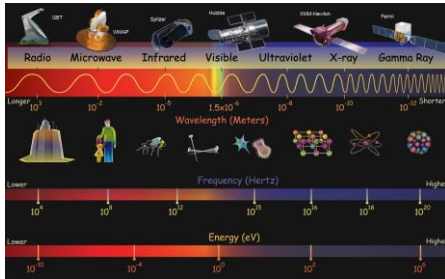
Explain great (apparent) age of stars

Cosmic Microwave Background



CMB background radiation observed all over the universe.

The Spectrum of Light, Seen & Unseen



CMB background radiation observed all over the universe.

Note where the visible, infrared (heat) and microwave spectra are. We’ll refer to them later.

Go through a Slinky analogy of stretching as it gets pulled out, notice

Light Gets Stretched & Squeezed



CMB background radiation observed all over the universe.

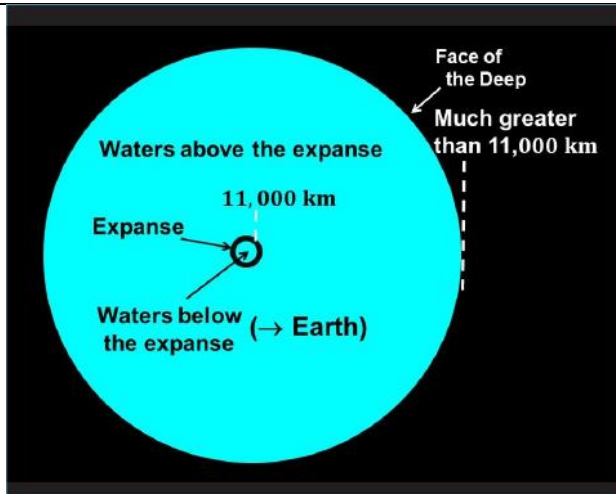
Race cars and the sounds they make, the doppler effect.

There is observable, measurable red shift, indicating real distances are increasing at a considerable speed, approaching light speed

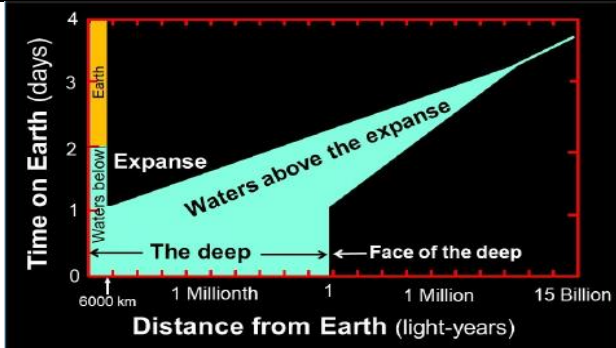
Takeaway: The more the light is reddened, the farther it is away, and there are galaxies billions of light years away.

True science.

Definitions		
Genesis Verse	Word or Term	Meaning per Humphreys
1:1	Heavens	Space, since heavenly bodies comes later
1:2	Formless and void fully	Randomized, racemic (biology/chemistry), low energy potential
	Moving over surface of the waters	The Hebrew al: suggests direction, therefore gravity
	Waters	Literal liquid H2O
	Surface (face) of the deep	Hebrew tehom: a large body of water, H2O
	Surface(face) of the waters	Where the waters meets the rest of the deep
1:6,8	Expanse	Hebrew raqia: something hammered out very thin



1. In the beginning God created the **heavens** and the earth.
2. The earth was **formless and void**, and darkness was over the **surface of the deep**, and the Spirit of God was **moving over the surface of the waters**.
3. Then God said, "Let there be light"; and there was light. (adding energy to the chaos of V2)
4. God saw that the light was good; and God separated the light from the darkness. (Adding order. The light per Humphreys is not the sun, that comes in V16)
5. God called the light day, and the darkness He called night. And there was evening and there was morning, one day.
6. Then God said, "Let there be an **expanse** in the midst of the waters, and let it separate the waters from the waters."
7. God made the expanse and separated the waters which were below the expanse from the waters which were above the expanse; and it was so.
8. God called the **expanse** heaven. And there was evening and there was morning, a second day.



This shows the expansion of the earth from day 2 to 4
 Note the y scale (left to right) is logarithmic, like a Richter Scale

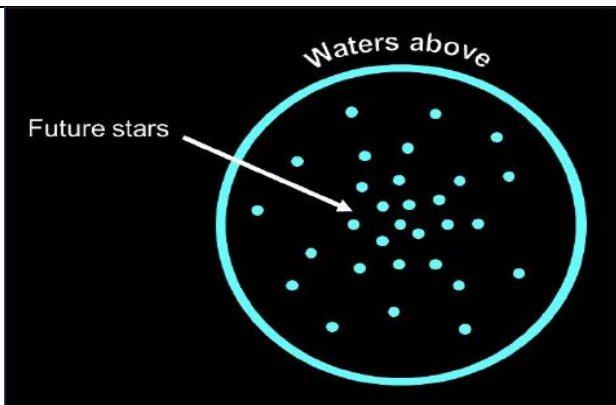
Recall the stretching of the Slinky. Imagine placing the slinky on the left side of this graph, and stretching it across where it says “waters above the expanse.” That’s a good way to think of how the universe was stretched. In fact, we can look to other Biblical references that talk about that:

Isa 40:22 - 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.

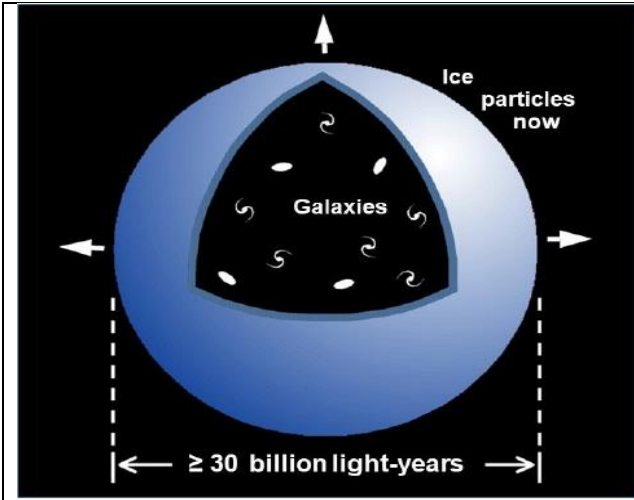
Job 9:8 - [God] Who alone stretches out the heavens And
 tramples down the waves of the sea

Isa 42:5 - Thus says God the Lord, 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,

Isa 44:24 - Thus says the Lord, your Redeemer, and the one who formed you from the womb,
 “I, the Lord, am the maker of all things, Stretching out the heavens by Myself
 And spreading out the earth all alone,



Per Humphreys, God left water (matter and the thermal energy of the water, as opposed to ice) in different places for the formation of stars, galaxies and other wonders.



Future comets!