The early Unvierse

Observationn indicate the universe began 14 billion years ago

Galaxy formation

Galaxy like the milky way gradually grew over the next few billion years … small collections of stars and gas formed first and these smaller objects merged to form larger galaxies.

Element production by stars

The early inviverse contained just three chemical elements : hydrogen helium and tiny amount of lithium .

Essentially all other elements were manufactured by nuclear fusion in stars or by explosion that end stellar lives

🡪 Elements that make up Earth – and life – were created by stars that lived before our solar system was born

Birth of our solar system

Our solar system was born from the gravitational collapse of an intersteller cloud of gas about 4 ½ billion years ago or about September 3 on the cosmic calneder the Sun formed at the center of the could while the planets formed in a disk surrounding it

Life on Earth

We do not know exactly when life arose on earth but fossil evidence indicate that it was within few hundred million years after Earths formation Nearly three billion more years passed before complex plant and animal life evolved

Dinasours 225 million years ago December 26 Cosmic calendar

Human history is only represented as few hours ago and all records of human can be recorded in 15 secounds

You (me)

The average human life span is only two tenths of a second in the cosmic calendar

In the actual text read

There are patterns in motion

We rotate counter clockwise and so do all the plnats

There are two types of planets

Terrestrial and jovian (actually spelled like that )

Small and dense with rocky surface and core are made of metal oppose to the jovian which are most composed of gas and lower in average density

Asteroids and comets

\*Asteroids\* are rocky much smaller than planents

comets are also small objects the they are made largely off ice

flybys

orbiters

Landers and probes