

Briefly describe the most popular and accepted theory about origin of universe. (2021)

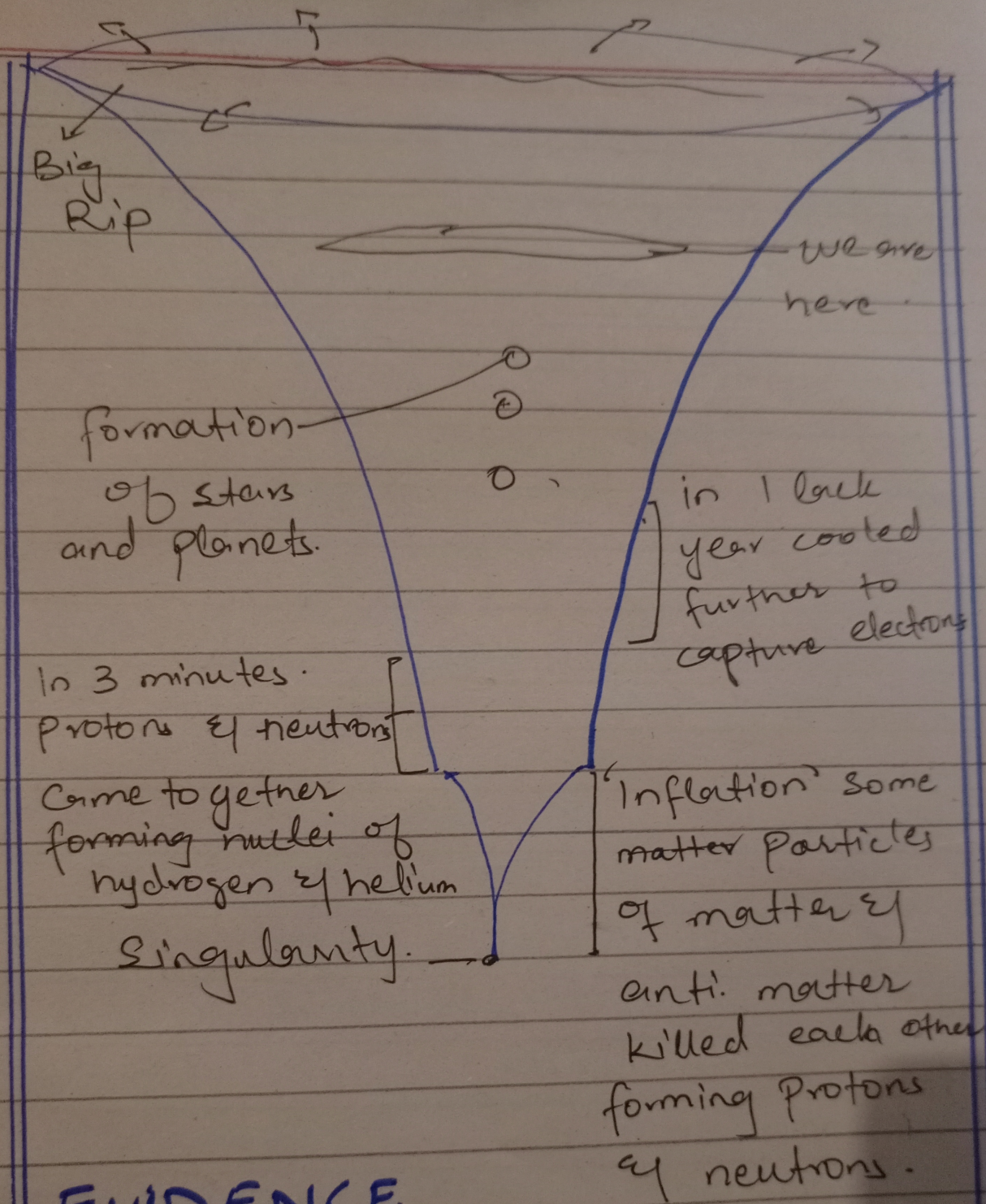
## THEORIES ABOUT ORIGIN OF UNIVERSE

- i) Steady state theory.
- ii) cyclic Theory
- iii) Plasma Theory
- iv) Quantum fluctuation Theory
- v) Black hole mirage.

## MOST ACCEPTED THEORY

### BIG BANG THEORY

Proposed by George Lemaitre. that an "inflation" occurred 14 billion years ago. from "singularity" and is expected to rip apart 22 b.o years from today.



## EVIDENCE

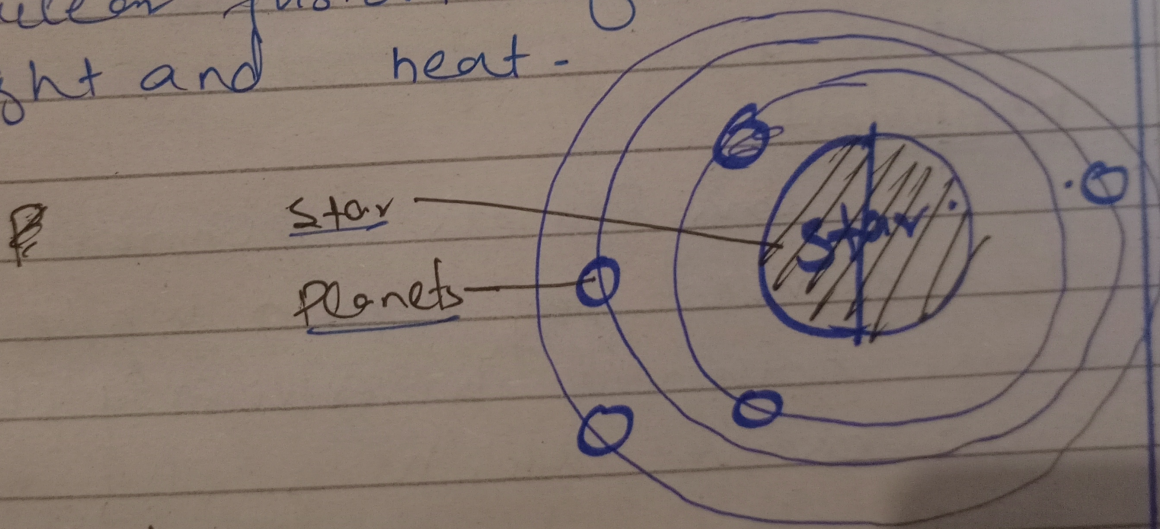
- i-Red shift of light of stars and planets.
- ii Cosmic microwave background radiation. from heat left over.

Diff b/w star and planet.  
• magnitude of star &  
its correlation with color  
with temperature - (2021).

## Stars Verses Planets.

### Defination -

Star - According to NASA - star is a hot ball giant ball made of helium and hydrogen. the nuclear fusion of which emits light and heat.



### Planet

A celestial body which revolves around the Sun - (According to NASA).

Big  
Dig

### Temperature

Stars have high temperature while planets have lower.

### Size

stars are larger than planets.

### Light and Twinkle

Stars emit their own light while planets reflect back the light of stars. Stars twinkle while planets do not.

### Movement

Stars Planets movement can be observed by human while stars movement is extremely slower to observe. which is why appear static.

### Magnitude of stars.

It means the measurement of their brightness. However the more they are bright the lower the magnitude.

Sirius the brightest star has  
-1.46 magnitude while Sun  
has -26.7

## Correlation of temperature of star with its colour.

Stars are too hot to measure  
its temperature manually. ~~the~~ Its  
colour is used to determine  
its temperature.

bluish white	35000°C
Yellow	6000°C
Red	3000°C