Geography(Foundation)

Solar system

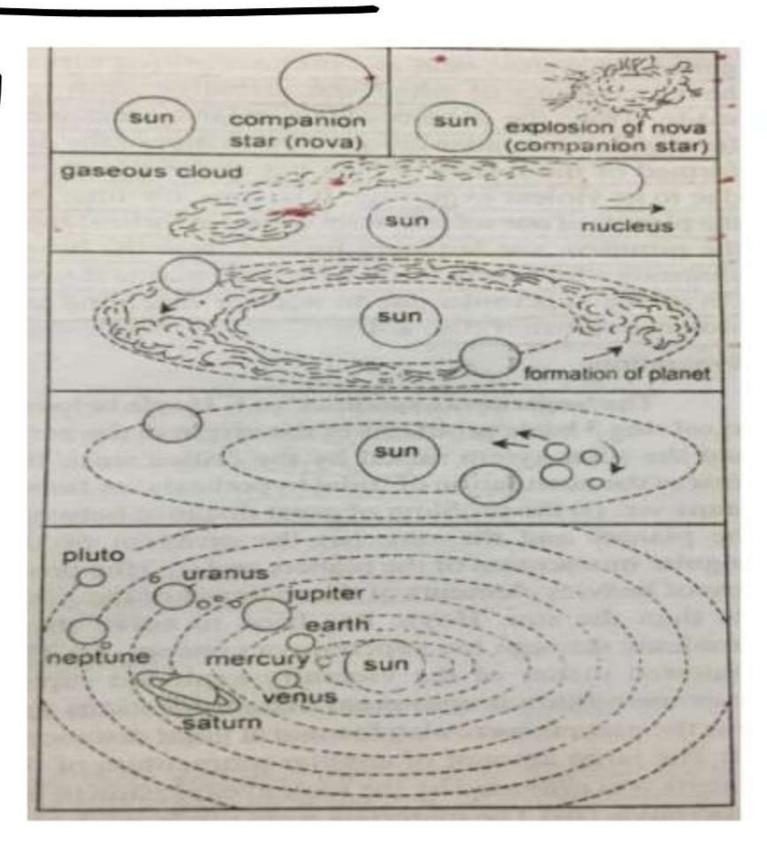
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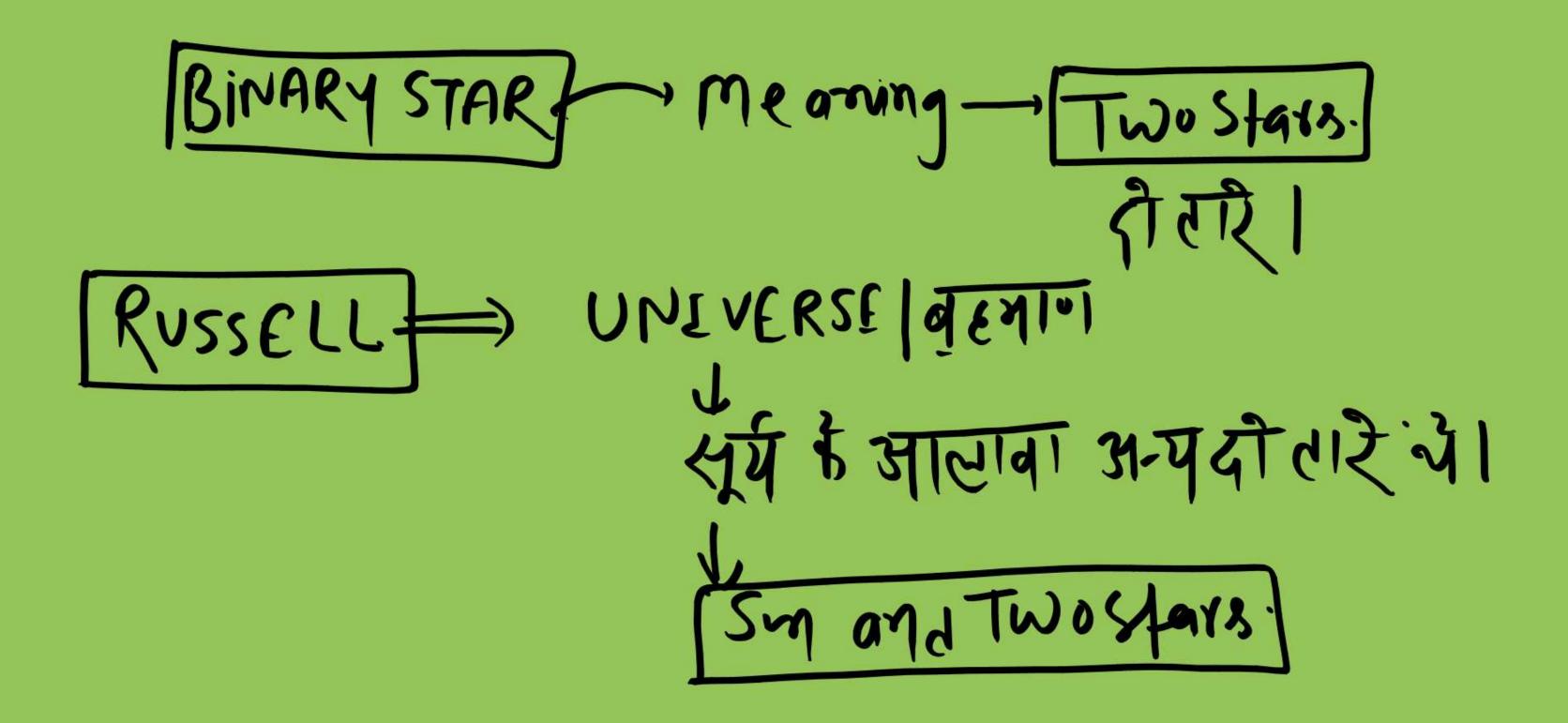
By: Ajeet Sir

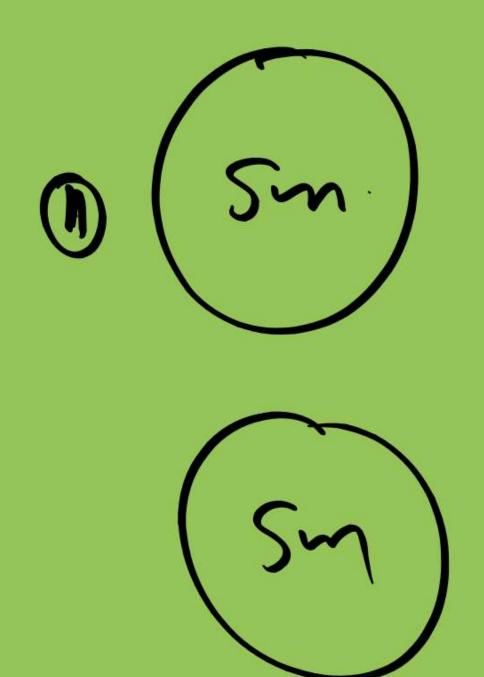


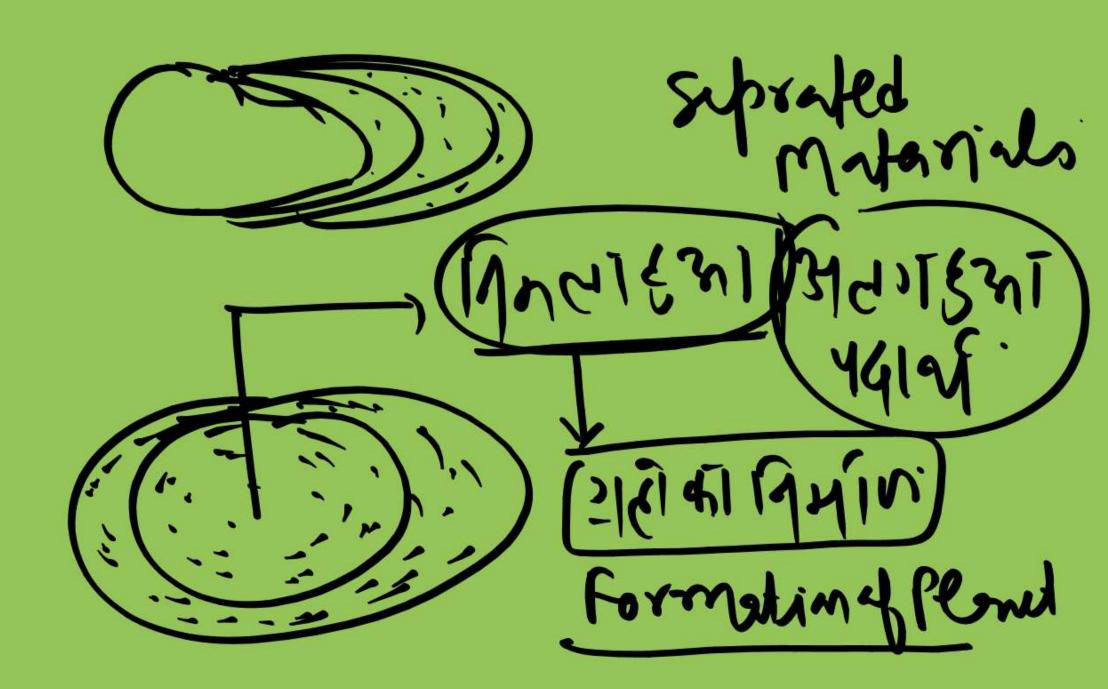
BINARY STAR HYPOTHESIS OF RUSSELL (1937)

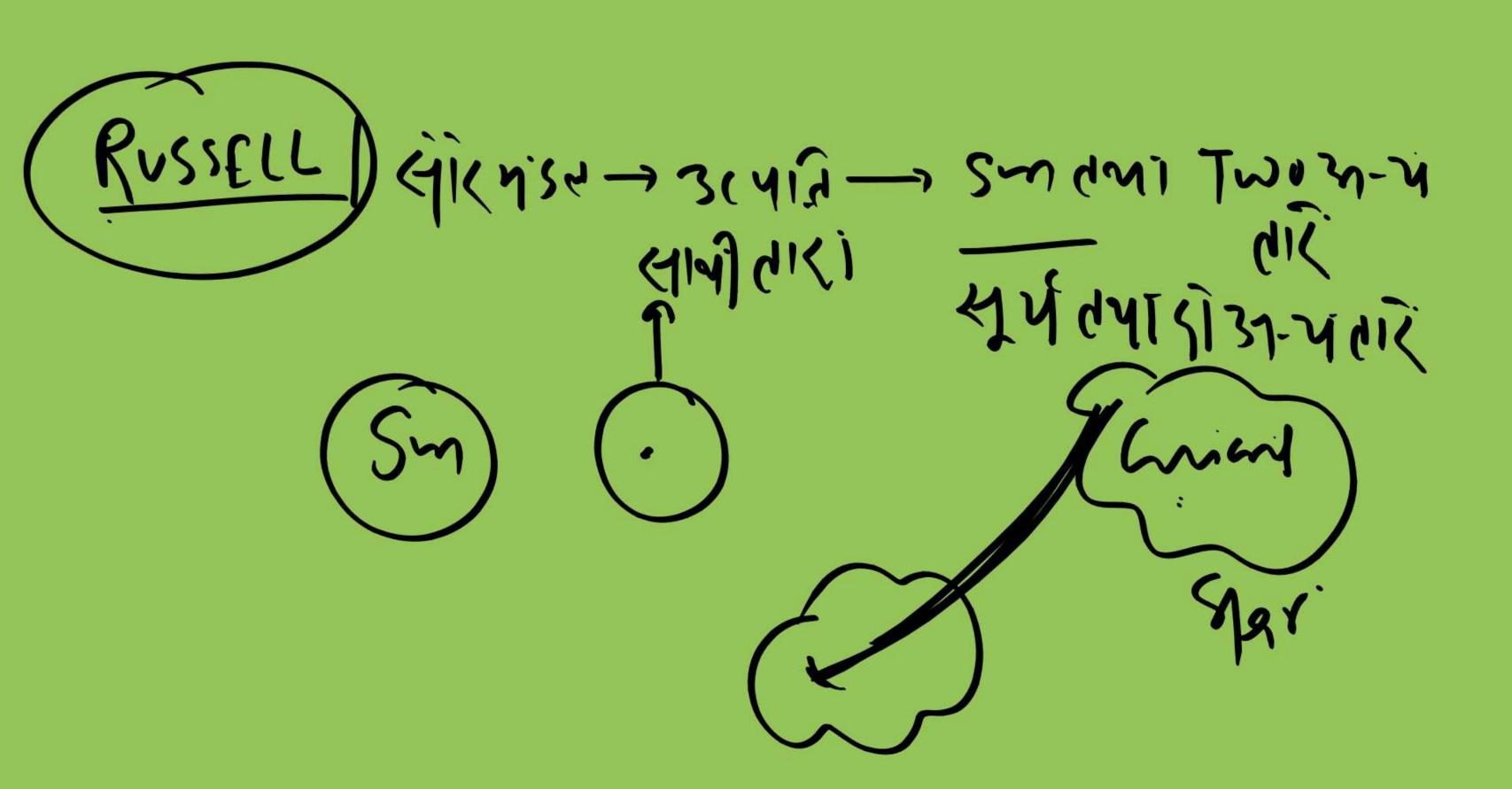
रसेरोकी देतारक पार कल्पना Reserved 1933











Mammar. र्युय के अ-(नाकषण वर्ष कामियां का-भगावसावी तरप्रभ्यांग्री What about the Empay of Suran.
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BINARY STAR HYPOTHESIS OF RUSSELL (1937) दित्रकारिकार

- Russell opined that there were two stars near the primitive sun in the universe.
- In the beginning the 'companion star' was revolving around the primitive sun. Later on one giant star (the third one) named as 'approaching star' came near the companion star but the direction of revolution of the approaching star was opposite to that of the companion star.
- It was believed that the distance between two stars might have been about 48,00,000 to 64,00,000 km.

There would have been no effect of tidal force of the giant approaching star on the primitive sun but large amount of matter of the companion star was attracted towards the giant approaching star because of its massive tidal force (gravitational pull).

- When the giant approaching star came nearest to the companion star, large amount of matter was ejected from the companion star due to maximum gravitational force exerted by the giant approaching star.
- The ejected matter started revolving in the direction of the giant approaching star and thus opposite to the direction of revolution of companion star.

- Later on planets were formed from the ejected matter.
- In the beginning the planets might have been nearer to each other and thus matter might have been ejected from these planets due to their mutual attraction
- Thus satellites might have been ejected from these planets due to their mutual attraction and thus satellites might have been formed from these matter.

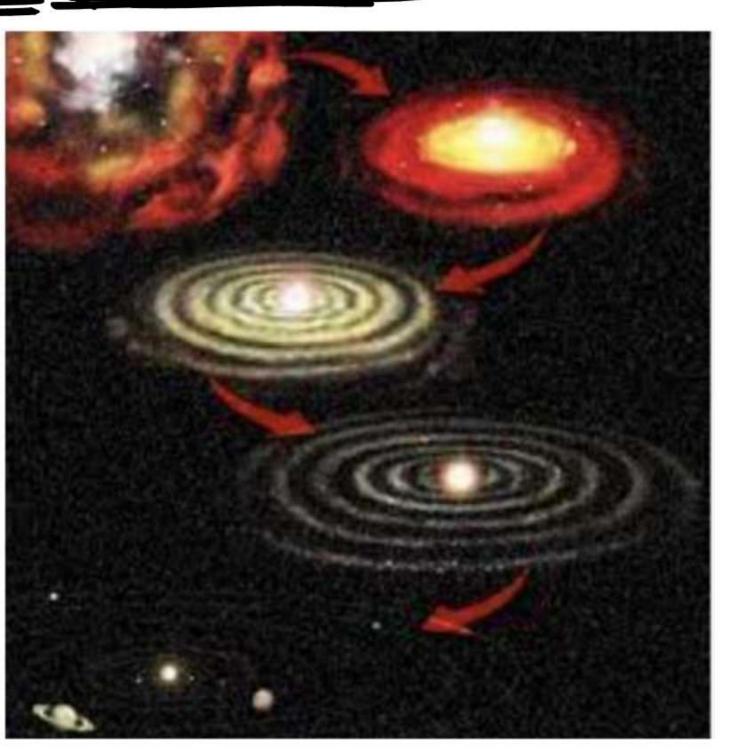
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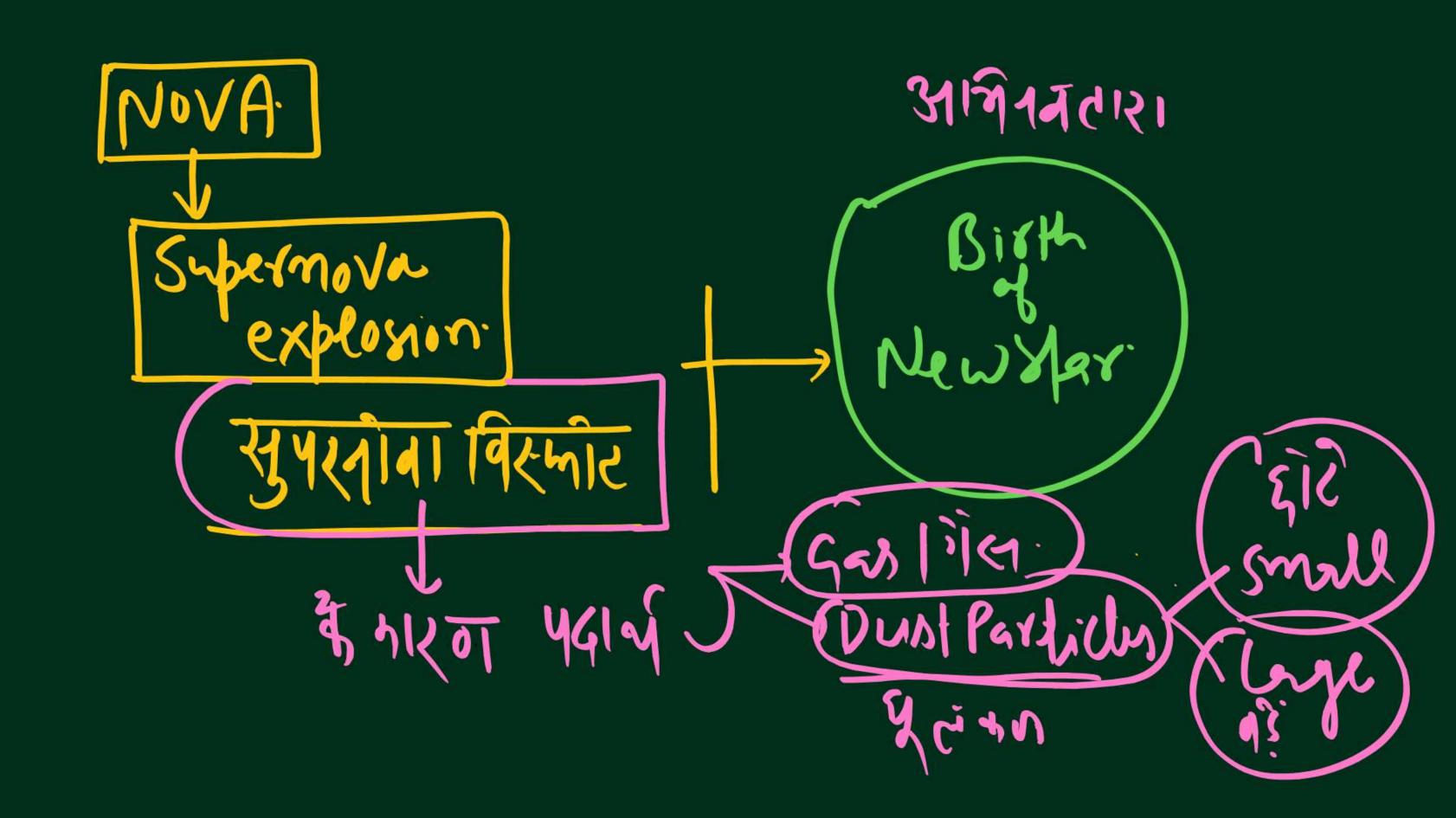


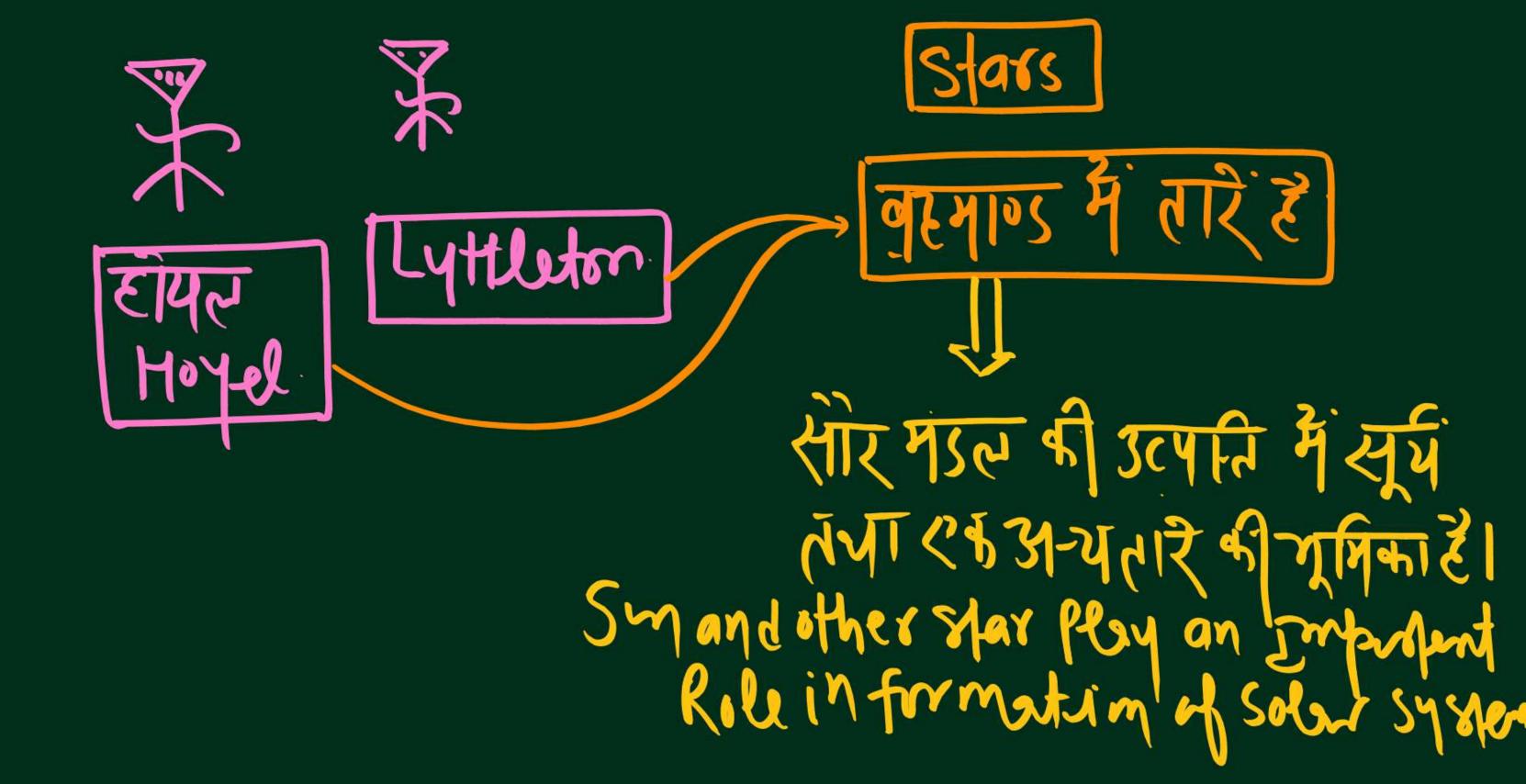
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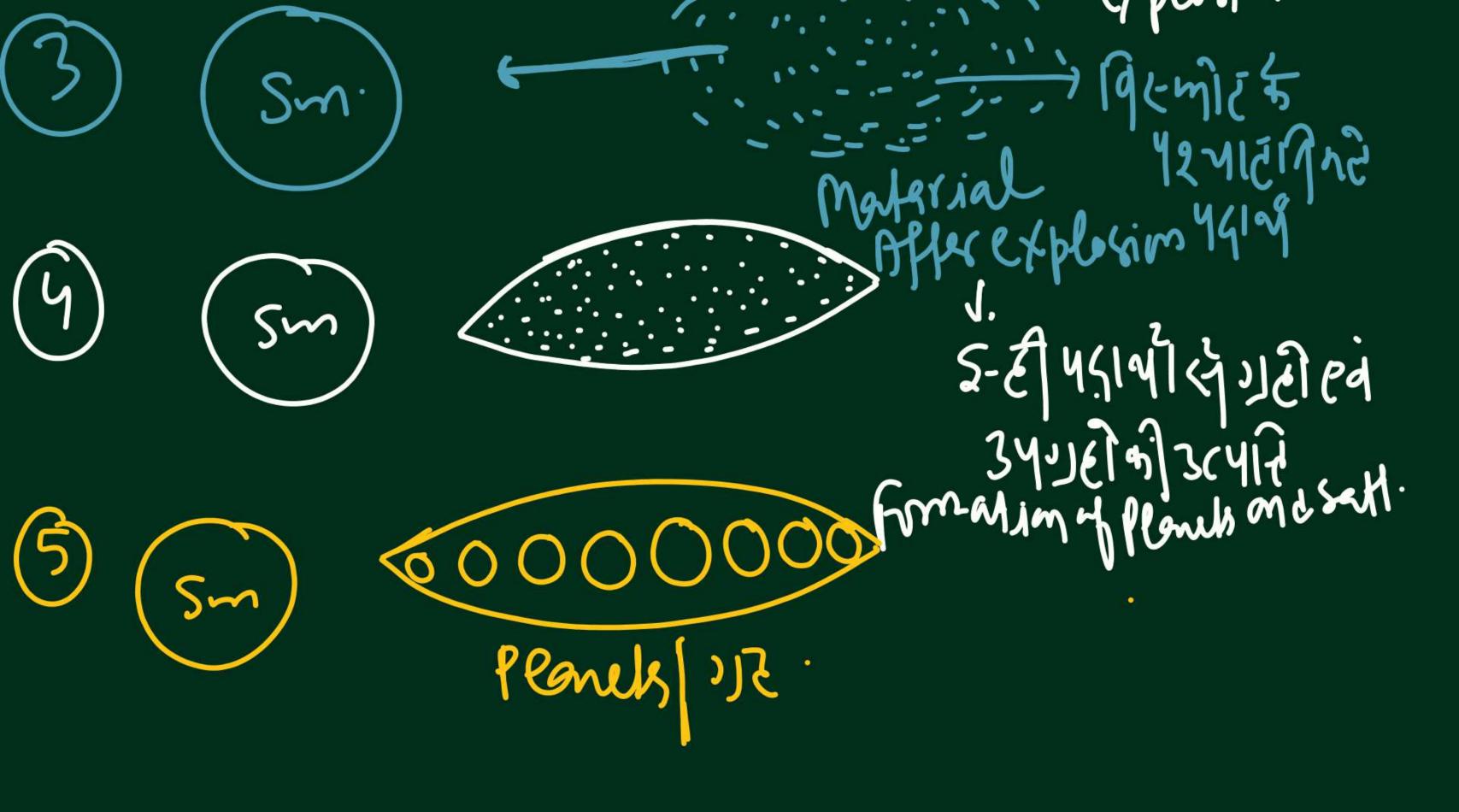
Nova hypothesis - hoyle and lyttleton नीवा सिंद्रोत.

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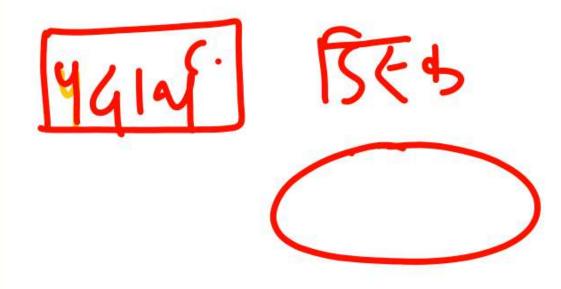


Nova hypothesis - hoyle and lyttleton

- According to Hoyle initially there were
 two stars in the universe
 - Primitive Sun and
 - Companion star
- The companion star was giant and later on became supernova due to nuclear reaction.
- Over time, all of the hydrogen nuclei of companion star were consumed in the process of nuclear reaction and it collapsed and violently exploded

Nova hypothesis - hoyle and lyttleton

- The Violent explosion of companion star resulted in the spread of enormous mass of dust which started revolving around the primitive sun in the form of a circular disc
- The matter of this disc became building material for the formation of the future of planets.
- Thus, the planets of our solar system were formed due to condensation of the matter of the



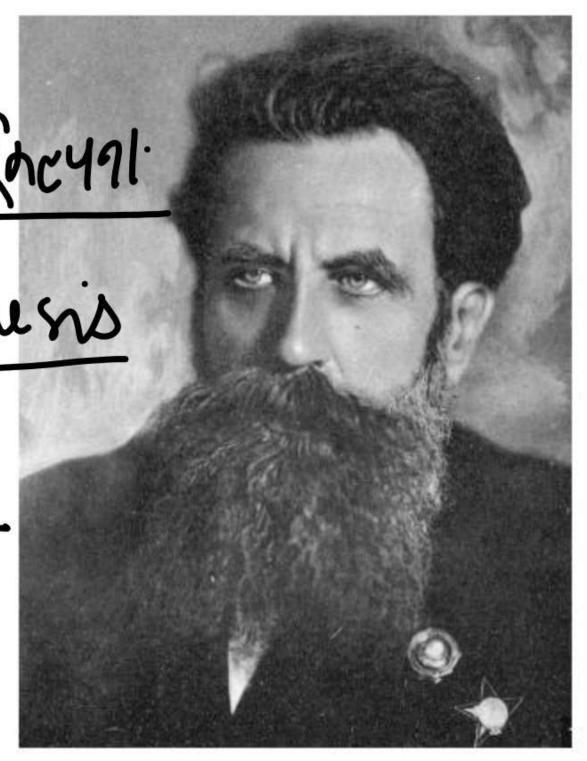
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स्परगोवा विस्फारि से हो यार् वीर्गंउरकी उत्ताम हर् रुपं अ-यतार्मिक विस्मीर स

Schmidt's interstellar hypothesis(श्मिट की अंतरतारकीय परिकल्पना 1943)

व्याप्ट्रे विभट की अंतर पारकीय ध्यूल पारकरपना Interstellar Hypothesis Mersfeller अंपरपारिश्री.



Tathon admin. अतर्-रार्कीय अविश्व रार्ग में वीय्यूट कण आरो-१६५८ UNIVERSE विवीप खार्टी स्पान्ते Space between Stars Gans.

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अंतरतारकीय परिकल्पना 1943)

- According to this theory, the initial universe comprised of stars & randomly distributed matter filling up the space in between.
- According to Schimidt, this dark matter, started to revolve around the primitive rotating sun and gradually the dark matter stars accreting & condensing & thus forming the solar system.

- इस सिद्धांत के अनुसार, प्रारंभिक ब्रह्मांड में तारे और उनके बीच की जगह को भरने वाले बेतरतीब ढंग से वितरित पदार्थ शामिल थे।
- शिमिड्ट के अनुसार, यह डार्क मैटर, आदिम घूमने वाले सूर्य के चारों ओर घूमना शुरू कर दिया और धीरे-धीरे डार्क मैटर तारे एकत्रित और संघनित हुए और इस प्रकार सौर मंडल का निर्माण हुआ।