Wente a note on the origin of Earth and the planets in solar system. Also enamine how do scientist Study birth of planets in Universe. (150 words). Origin of Earth took place around 5.5 Billion N 1 Various hypothesis put forward by different ye ago. scientist about origin of Earth but most agreed one was, Earth formed out of clust and ashes -particles surrounding youthful sun. 1 These dust and ash particles collides numerous . with erocks, asteroids etc and accretion led to the origin of Earth. Where as planet formation Look place around 4.6 Billion year ago. つつついいつつつつ Planets are found as follows -· pleasets these are localised lumps of gases within a nebula. · Gravitational porce developed within time leading to formation of core and dist particle around the core. · These dist particle around the cole accumulated with various

other particle and formed small - small body as planetisimals.

· After accumulation of small particles into large body these gases around core started to condense and formed larger bodies by accretion.

And this led to formation of Earth and planets in the solar system. Further this formation of planets studied by Scientist in var through various methods like -

a) Study of Meteoriste.

b) Study of asteroids, comets.

c) Through spectrometry

ete. are the methods associated which can further help in understanding and studying formation of earth and planet in a efficient matter.

Discuss the evolution of the layered structure of the Earth along with the formation of the Dithosphere, hydrosphere and atmosphere. Evolution of Earth Look place around 505. Billion year ago. Initially Earth was full of gases like Hydrogen and helium and Lemp was also very high around 4500k. > With time temperature dropped and earth 0 Started cooling to some entent. -. > Volcanoes eruption dook place which ded to addition of vaccious gases into atmosphere. Meanwhile condensation also look place which led to rainfall. > Rainfall accumulation led to formation of oceans (Hydrosphere). * Cencess CO2 in atmosphere + formed CaCO2, Ca come in emistence through Earth. > Hydrogen & Helium being the lighter gas, escaped in the appear layer of atmosphere

and particular incident terms as Degassing.
> Organism evolution by the time led to formation of 02,

are the various processes which led to the formation of feath and its largered streture. Lithosphere, hydrosphere and atmosphere.

When Easth formation took place its was hot once with temp around 4500 k. Heavier material combined forming core and lighter material to the periphery of core, forming Crust, Mantle and Core.

well Due to presence of Josen, Magnetic field also developed protecting Earth from other fields.

And this led to the formation of Earth's structure and layers Grust (semi-stil), Martle (liquid) and core as solid with Nife.