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## Competitive Exams: Revision Terminology Part 52

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### Chemical Evolution

1. Earliest atmosphere on earth – reducing.
2. Formation of early molecules.
3. Formation of simple org molecule.
4. Formation of large org. molecule.
5. Formation of complex biomolecule for miller –  $\text{CH}_4$ ,  $\text{NH}_3$ ,  $\text{H}_2$ ,  $\text{H}_2\text{O}$ .
6. Formation of coacervates abiotically synthesis on earth & came together due to intermolecular attraction – could divide & chemical reaction.
7. Formation of protocells Clusters of nucleoprotein which surrounded org. subs for replication.
8. 1<sup>st</sup> organism – heterotrophic, anaerobic, nucleoprotein.
9. Progenote – single celled common ancestor of archebacteria, eubacteria & eukaryotes.
10. Excretion – elimination of metabolic waster & undigested food from body toxic –  $\text{NH}_3$  > urea > uric acid.
11. Ascaris Ex eartherwom –  $\text{NH}_3$ , urea.
12. Urine – urochrome (from breakdown of Hb)
13. Faeces – bilirubin + biliverdin
14. Muscle – creatine phosphate.
15. Concutrer current mech – overll to conc nace in the fluid & callse water to diffuse out in collecting tubules & concentrate the urine.
16. Flatworms – Flame cells.

17. Roundworms – H shaped cells.
18. Annelida – nephridia.
19. Arthropods – green gland (crustaceans) .
20. Spiders – Coxal Gland.
21. Unio – organ of Bojanus.
22. Cephalochordates – Hatschck's nephridia.
23. Ureter – transitional epithelium.
24. Podocytes – lining of Bowman's capsule ultrafiltration areas.
25. Trimethylamine oxide – marine teleost.

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