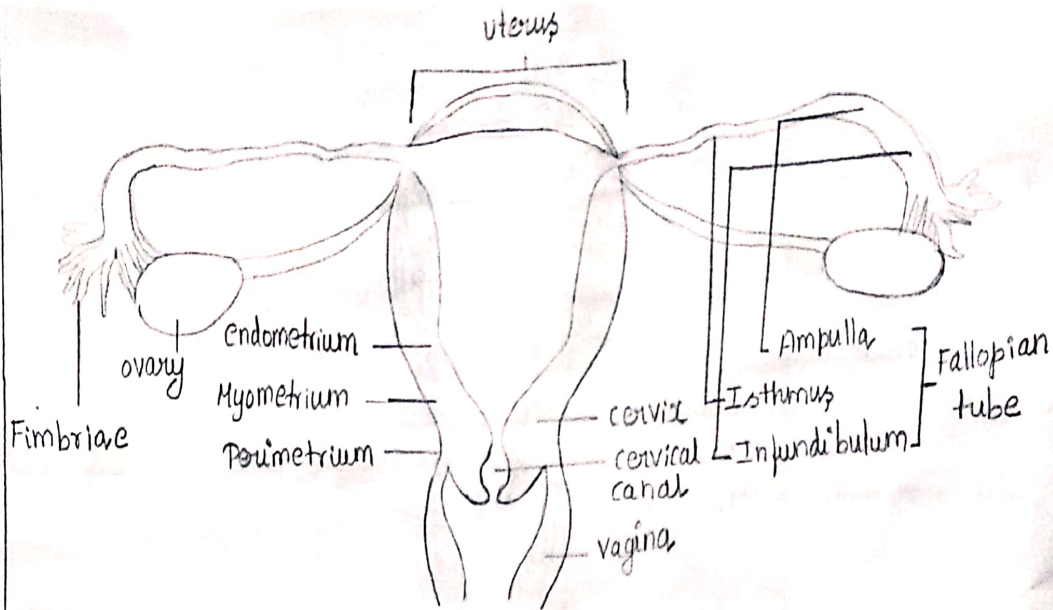
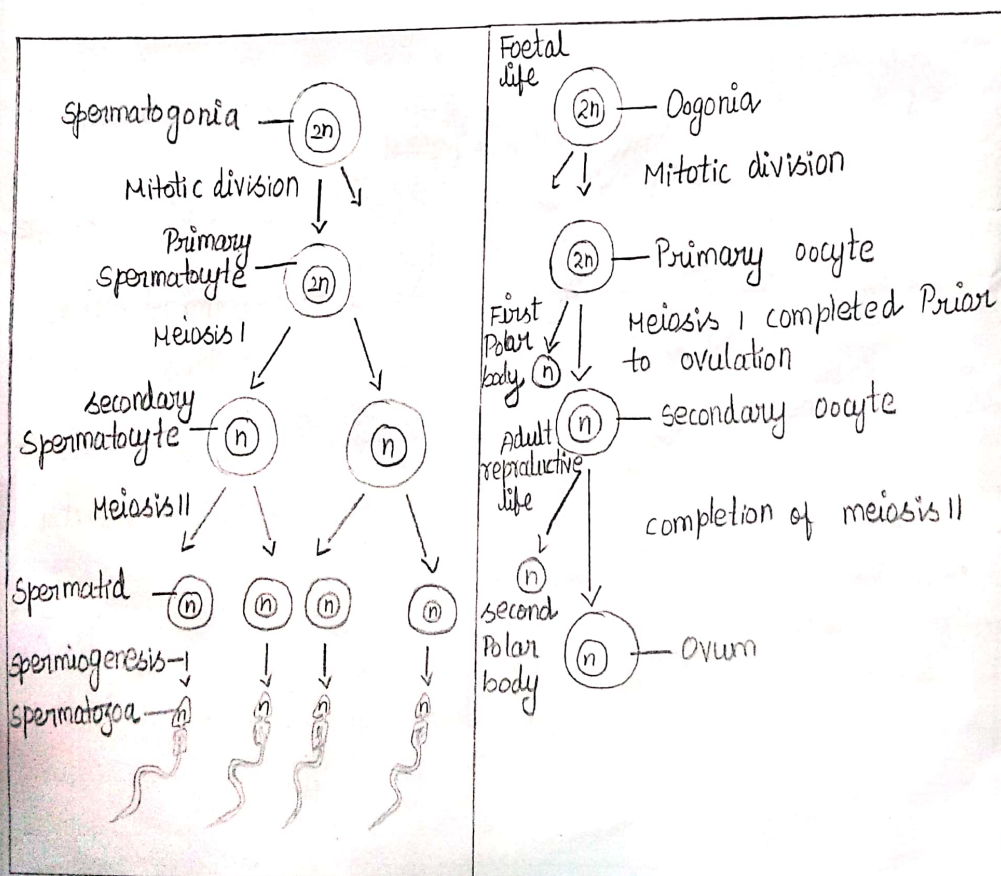


XII - Bio- zoology

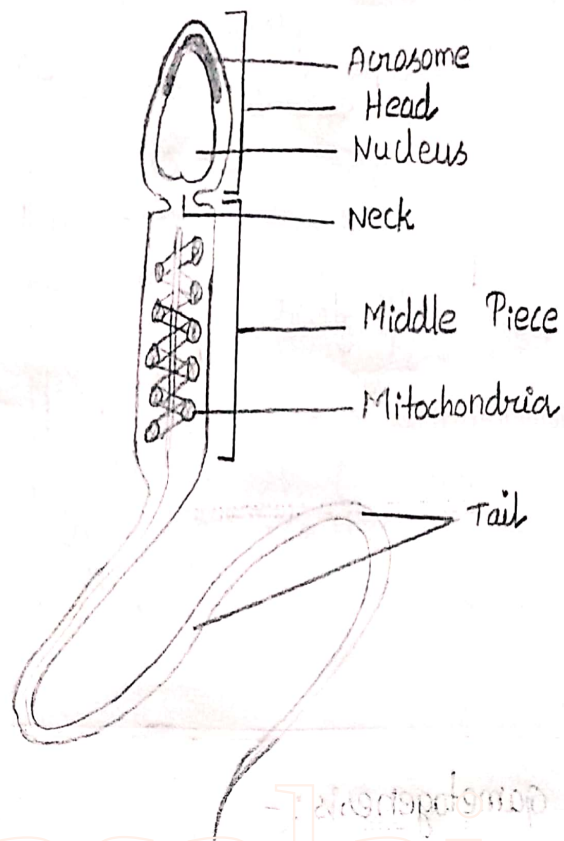
1. Diagrammatic view of female reproductive system:-



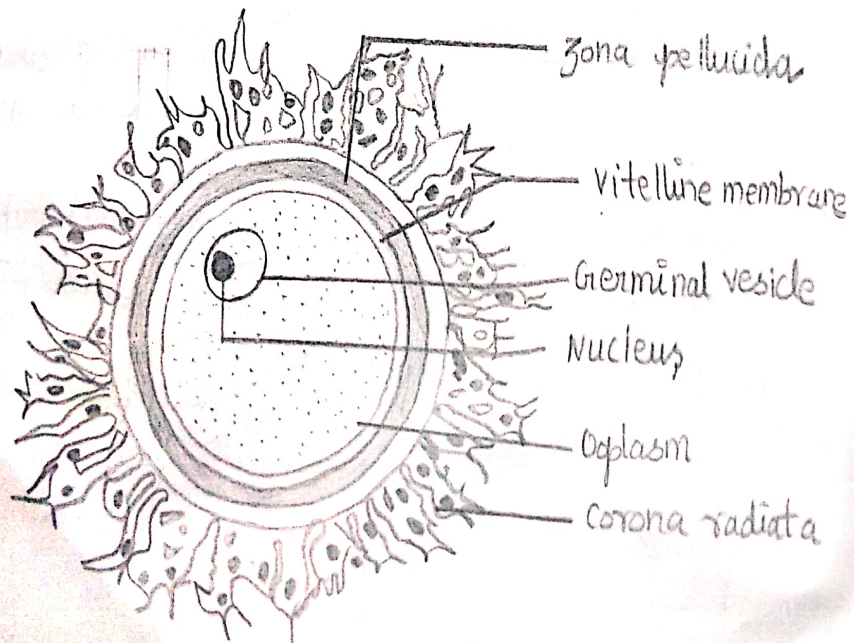
2. Structure of Gametogenesis:-



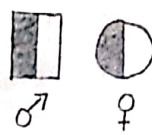
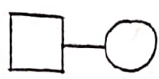
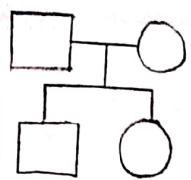
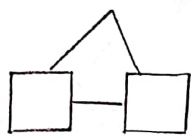
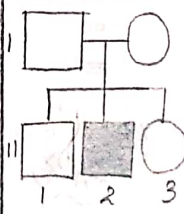
3. Structure of human sperm:-



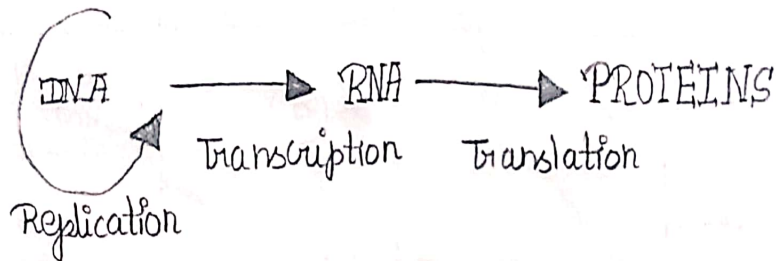
Structure of human ovum:-



5.

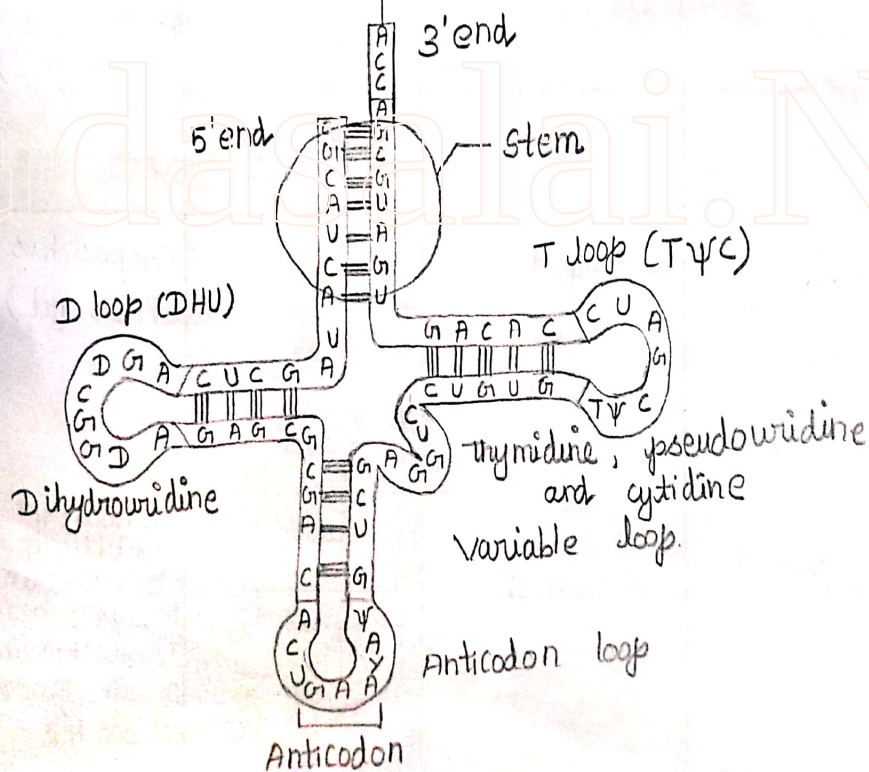
Symbol	Explanation	Symbol	Explanation
	Male		Affected Individuals
	Female		Heterozygotes for autosomal recessives
	Mating		Carrier of sex-linked recessives
	Parents and children (1 boy, 1 girl in order of birth)		Death
	Dizygotic twins		Abortion or still birth (sex unspecified)
	Monozygotic twins		Propositus (Proband)
	Sex unspecified		Method of identifying persons in a Pedigree here the Propositus in child 2 in generation 2 or II 2
	Number of children of sex indicated		consanguineous marriage

6. Structure of transcription:-

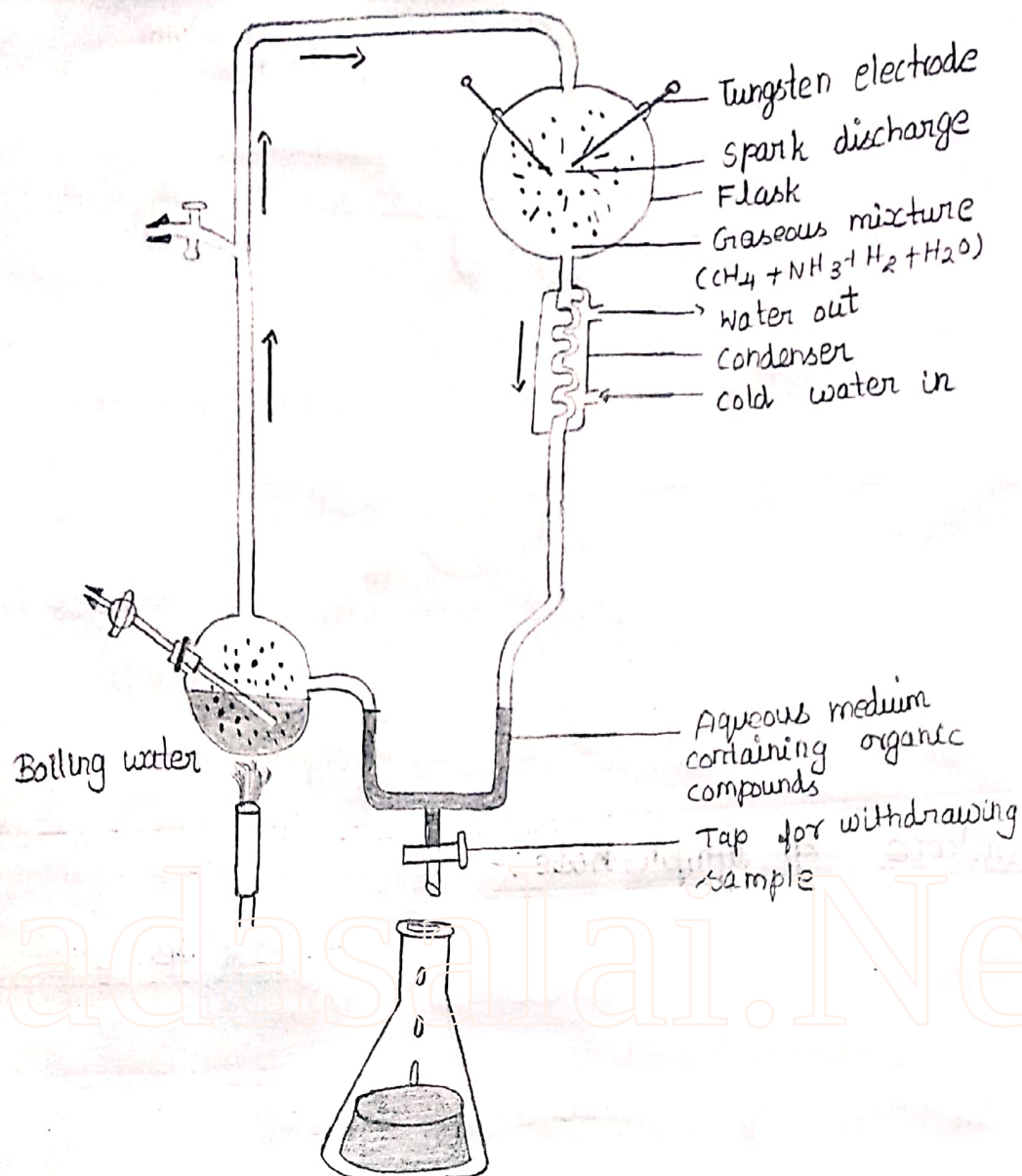


7. Structure of tRNA:-

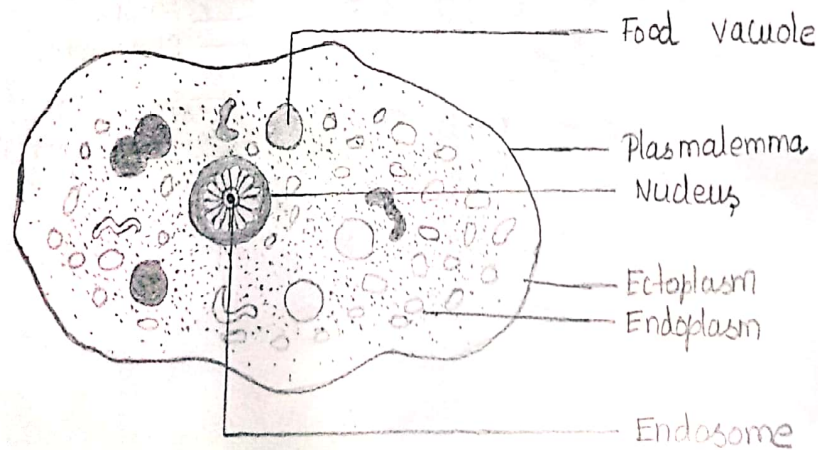
amino acid attached here →



8. Diagrammatic representation of Urey-Miller's experiment:-



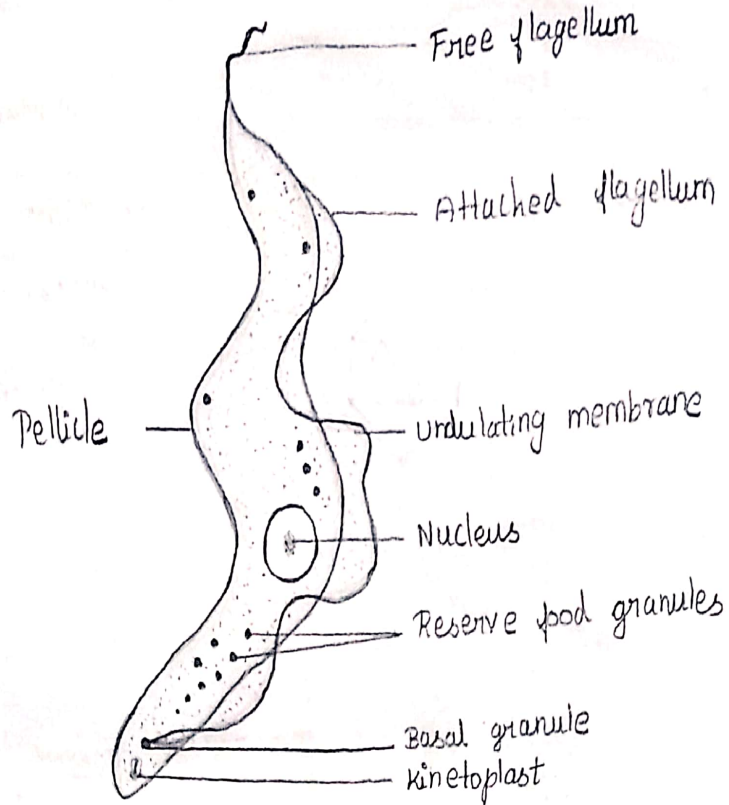
9. Structure of *Entamoeba histolytica*:-



6. Structure of transcription:-

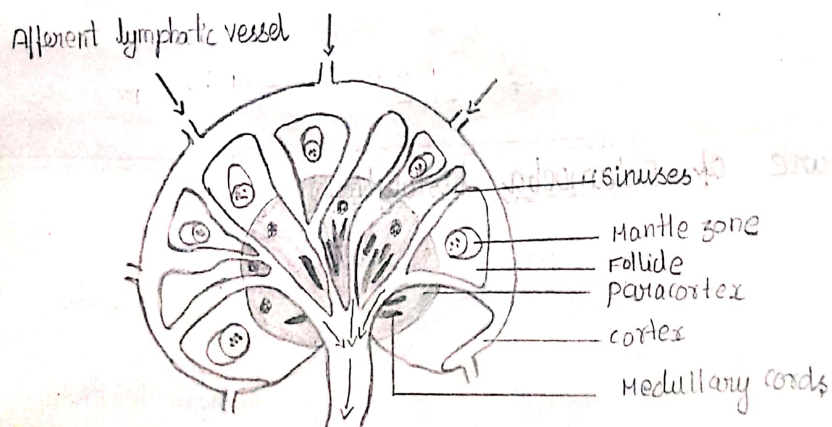
10. Structure of Trypanosoma gambiense:-

12

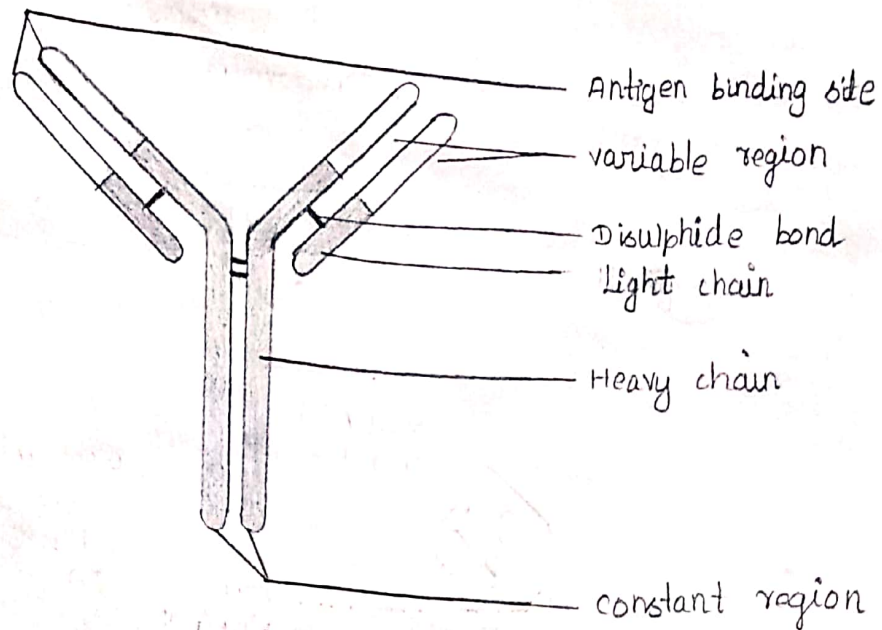


11. Structure of lymph node:-

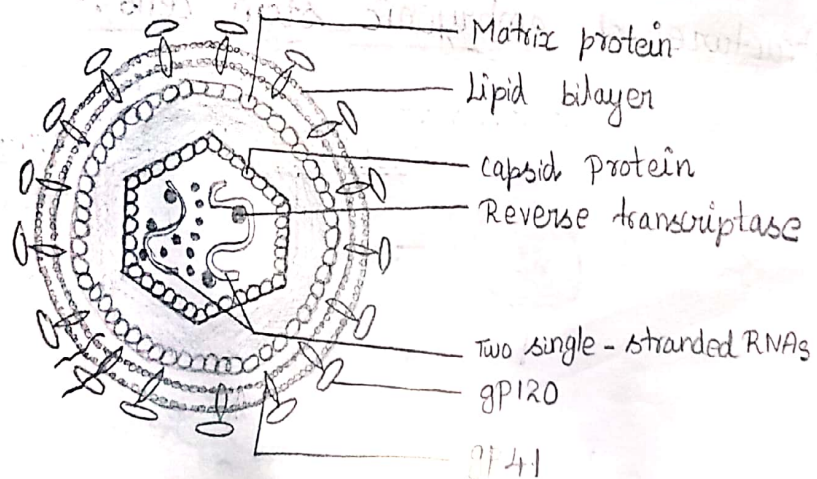
13.



2. Structure of immunoglobulin :-



12. Structure of HIV :-



14. Process of gene therapy:-

Bacteria carrying
Plasmid with cloned normal
human ADA gene



Genetically disabled
retrovirus



T cells with disabled ADA
gene isolated from SCID patient



cloned ADA gene is
incorporated into virus



Genetically
altered cells are
reimplanted to produce
ADA

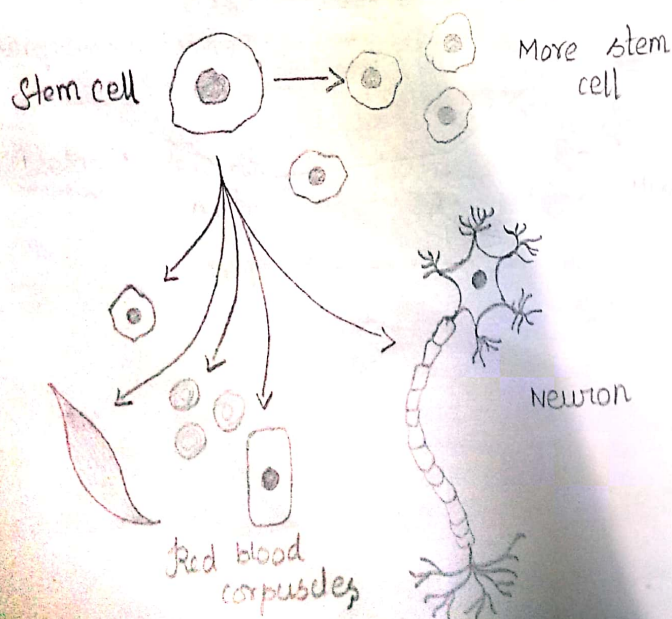
Retrovirus infects T
cells, transfer ADA
gene to cells



cells are
grown in culture
to ensure ADA gene
is active



15. structure of embryonic stem cells:-



prepared by

GT. THIRUMORTHY
MSc, BEd, (PST-D)

Sir. C.V. Raman
Coaching centre

Idappadi
Salem (Dt)

• 627101

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