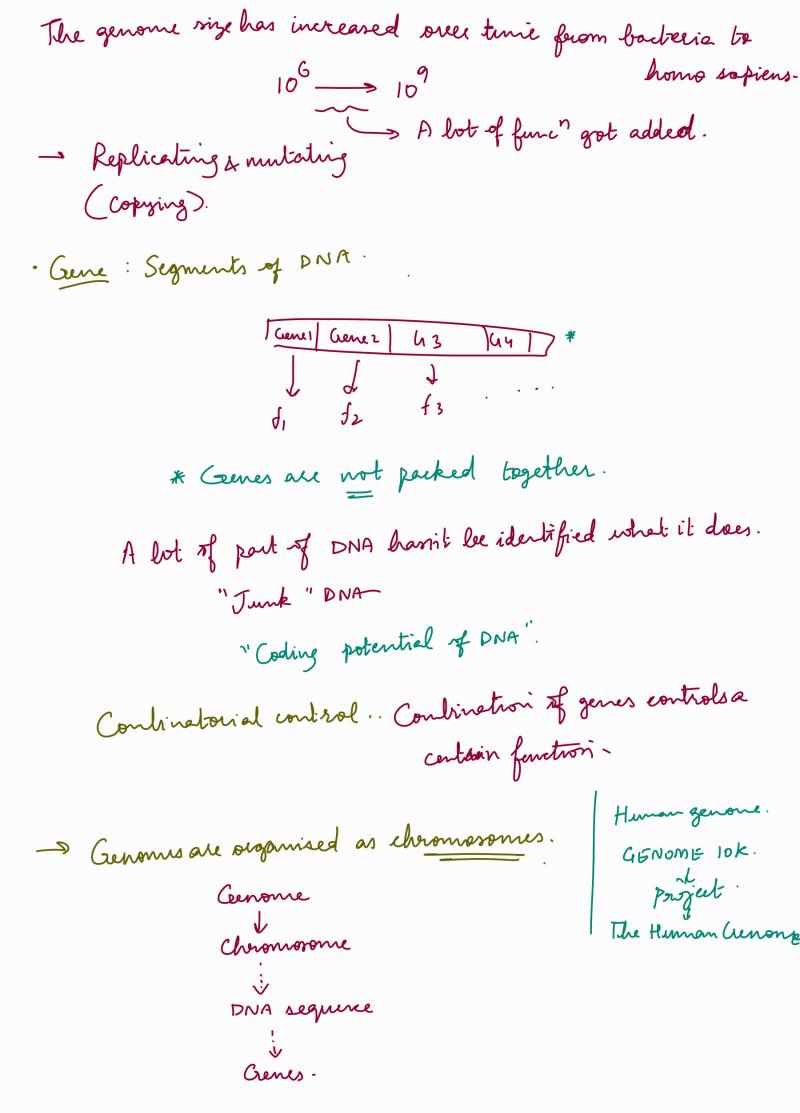
Next assignmet. -> Manhattan Tourist Peroblem How to constanct Is Very closely related to longest tru of life. subsequere problem. (See) Maseimum no of tourist plans that can be visited in one visit from one end of city to another. = Phylogenetic tree. True of life Differences in length show how similar or how different species are from its ancestru Phylogram CLADE. Op. Chustering → Cladogram: Pelatrie common ancestor.

→ Phylogram: Branch length -> Oltrandric: Shows when a particular species emerged. Nos could be -> Found a new species. Time. Identify poor of it in phylogentic tree. A Forguing Q. There of life Sequencing to figure ort nulations etc. ZADA Length. Time, Mapping A, T. h, C, U → Nucleotides of an organism Genome. The entire composition



Complemetery base pairing.	
A = T Hydrogen bod	
A = T Hydrogen bod $G = C$	
Antiparallel	
31	lead what 3'4 5' ale.
5	
why antiparallel? Why double stranded?	2 Struture of meleotides.
-> Why antiparallel! Why dower shrandle?	mesco (Man).
> RNA -> Single strand.	
a la	A \
C	scarlon)
Nucleotide = Phosphate +s	
DNA: Deony ribose	
The phosphate - myse are joined along	y the aseis.
-> Segnere -> DNA is willed	Listone.
(Struture; (3D)	(Protein). (Protein). Otamer
	Octamer
Function	
- The double helical stantine	ADD Quiz
is coiled in some 3D structure.	Dimension of cell, mulles
	cell, mill
3' Bead on strig Bruleosome.	
1) Nucleosome.	AAA)
	Defination,

, l-> 0	Heterochronatin
-> Centroneu: Place where sister chronatin erre joine	Centronele.
-> Telomere: Ends of DNA in a chromosonie	Telomere
-> Centromett: 1200 -> Telomete: Ends of DNA in a chromosonie Cell division:	
There - M- share.	
Extended compart	Cyto genetics
Extentine Comp	la C
1- contribute anything	
-> The compet parts are distributed non uniform	ely in the
-> The confect P	
J Cytogenetics: Visnal morphology of chromosome	
C. Leauntres: Visnal morphotos	
Jewn's syndrome -> Entre chromome	
-> hly 23?	<u>~</u>
N. W organismshare diff. no. of chismos	
-> Can 2 organisms have the same DNA sequere l	nt diff. no. of
-> Can 2 organisms von	
hromosomes ? YES!	
Eg, Chinese muntijac 4 Indian muntjac	۷.
Has XY,Y2	SER
6	homore.