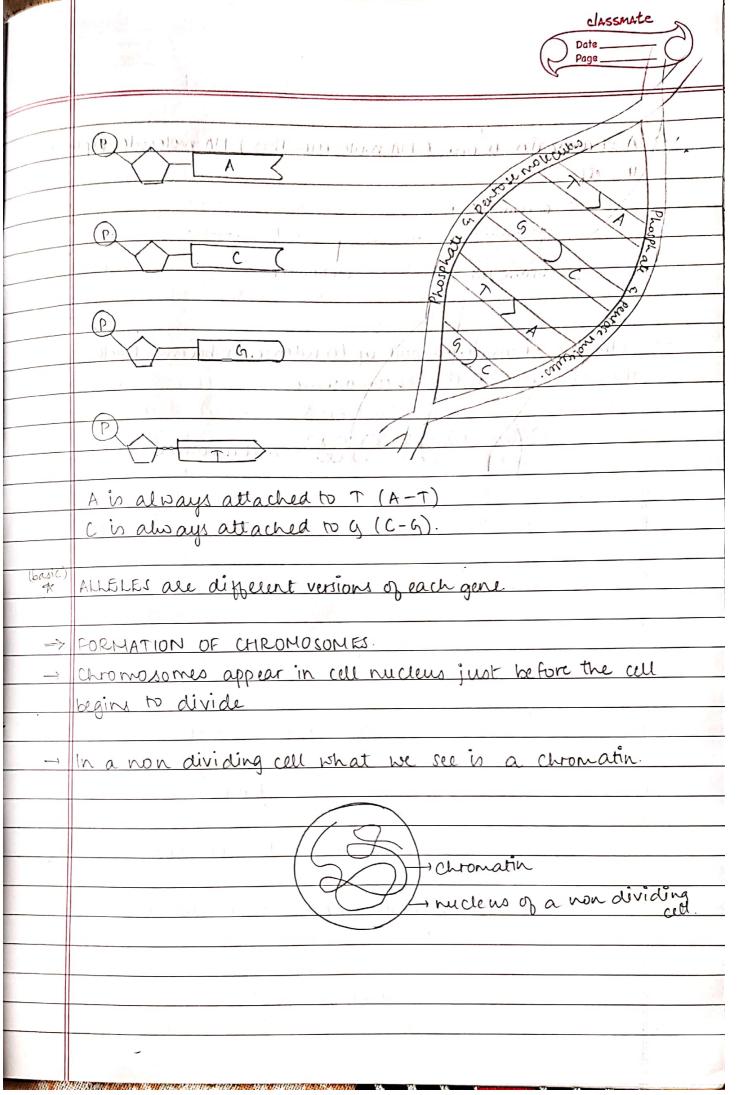
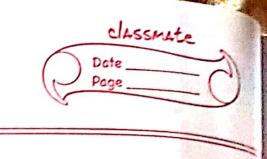


INHERITANCE.

_	GENIETICS is the branch of biology that is about the
	study of inheritance.
	A A DE LANGE DE LA CAMPARTA DE MANTE A CONTRACTOR DE LA C
_	> INHERITANCE is the transmission of genetic information
	from one generation to the next, leading to continuity
	of the species & variations with it.
	· jil i ya r,
	genes from one generation are transmitted to the next
	in the gametes.
	At fertilisation, the gametes fuse to form a zygote
101	which contains the genetic information from both the
	parents with the second
	A new individual grows from zygote - half of its genetic
	information comes from its male parent & half from its
	bemale parent when mideralous modern mession messioners) His
7	or orange for various all statement the context of context and the
\Rightarrow	CHROMOSOMES:
\rightarrow	CHROMO SOMES are long, thread like structures that are
	seen in the mucleus of a cell will be manker a ci Alder
\rightarrow	There is a fixed number of chromosomes in each species
	The number of chromosomes in a species is same in
	all of its body pasts 1114
\rightarrow	The chromosomes have different shapes quisizes.
	(1) riverbell =
-	The chromosomes are always in pairs. One chromosome
	of each pair comes from one parent
	read the property of sund reconcilled see air all the serve
-	The number of chromosomes in each body cell of plant
	or animal is called the diploid number (always even number).
	Scanned with CamScanner

	If we could unravel a chromosome, it would form
	an extremely long thread
	That long thread is made up of a long chain molecule-
1,121	DNA (Dioayribo nucleic acid) q'is called a CHROMATIN
	Chromatin is present in the cell nucleus when it is not
	dividing.
7.	The state of the s
	Chromatin Chromatin
1 /	()) Lies Loosely packed Lunwild).
	- nucleus of a non dividin
5 /	cell cell
(10,50)	and the first state of the form of the property of the state of the st
(basic)	GENE is a section of DNA which codes for the formation
	of aprotein controlling specific characteristic of organism
\Rightarrow	ANA (wound around protein molecules):
	DNA is a polymer. Nucleotides are its monomers.
	Each nu deotide consists of - Pentose sugar morecule
	- Phosphate group
	- Nitrogenous base.
7	
>	The nitrogenous lorganic) base could be - Adenine (A)
	- Thymine (T)
	- Cybsine (c) 121
	- guarine (G)
	The phosphate & sugar morecules remain all the same
	through the chain
1 ./1 / 37	
The second	





-> A chromatin is one DNA molecule. This DNA molecule replicates

chromatid-1

Chromatia = 1.

controvere

- Both the cromatids coil up/condense to become thick.
This is now called a chromosome

Willie - a chromosome