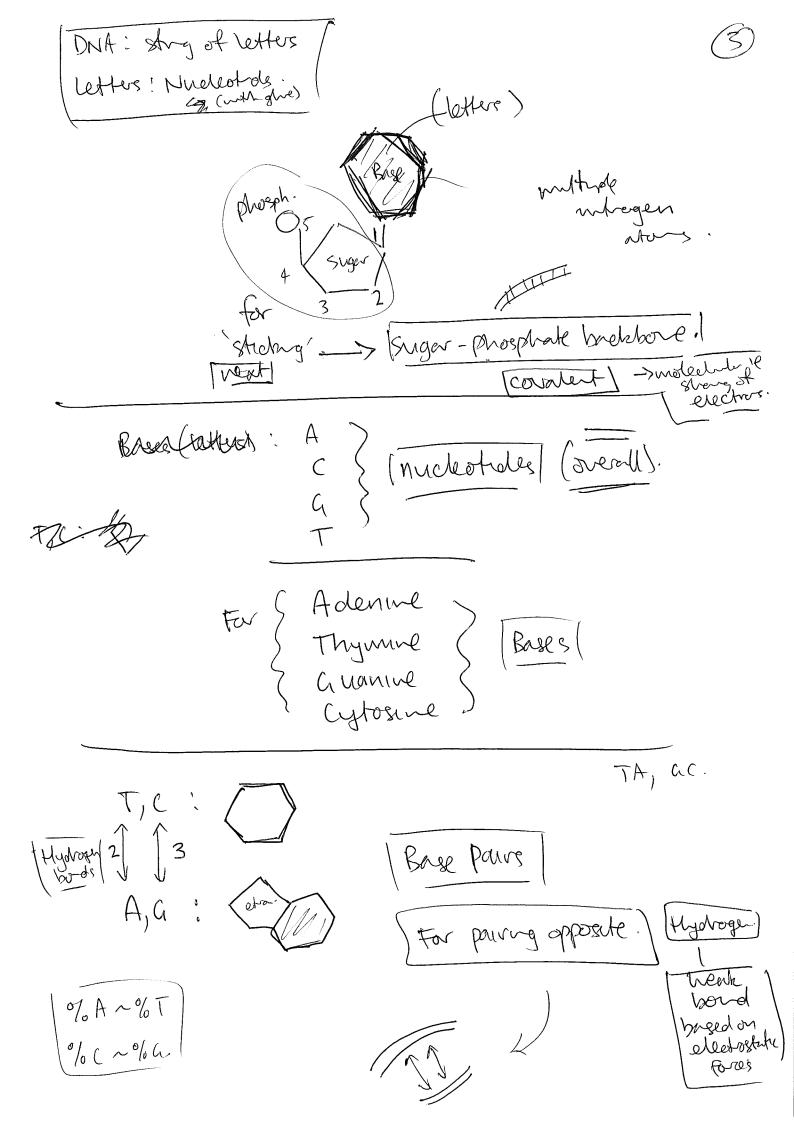
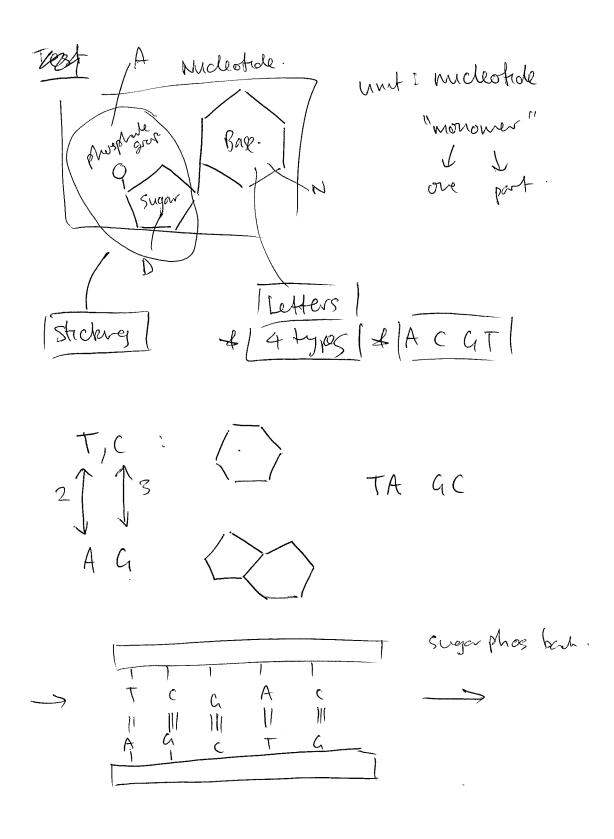
Cienetics penanics e all that [Scappy votes [58 2017 Englen 140] Topics tetran -. gerome S polypep. DNA, gene. proten. morone unno aerele. thelong. boses & shehre +. Cooling Rephaticat. Cerove. central correct. Go flow of wheret. DNA protein gudse epherbre RNA, MENA. Forms. WHERE Label exerse etc Traserph & Treslate In chovery. Tronslatur. (2vd) execuse Transcription (1st). Femplate & Toron INTRONS 2 GROUPS. (Cooky (vencooky Troslet trut. Trefort process. - types . } deleture. ? wore dang. Disense exemple.

alnomics. DRA PNA / gent a working 3 "whole". event who offer puts. **MICS** expression Cenetics - indundrul genes & pressing bet, gen. (when.). Lyey brook a Supe gold Many disordes mobile many ques etc. some sigle gene DANA (cof genes_etc). Also: muhochoobred AND. Nucleus From mother (tracery (weard). Separate angu devid from DNA history bacterer engulled by apa of 1962 1953 entrony. alle, My? Not entrely known. Ferre XY

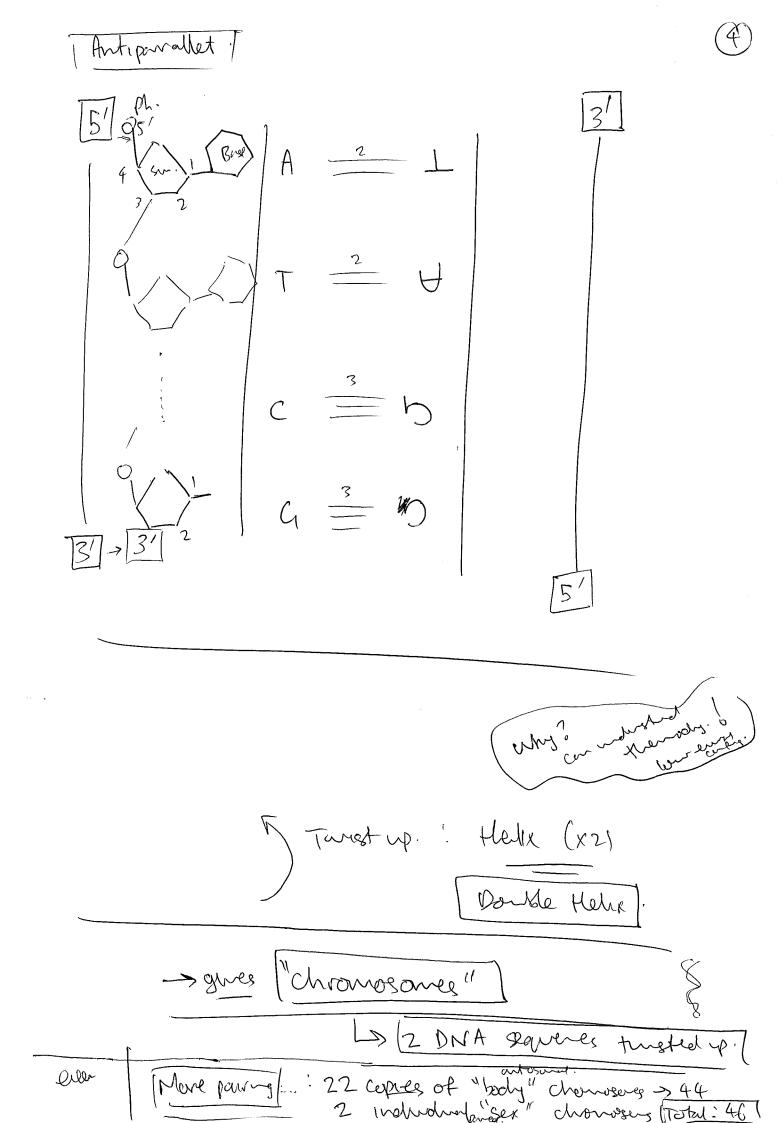
other votes 6.5 Bell. base pars of MA. DNA . in a cey. Deoxyrbo Nudere Aciel. large violenteg made møler. Certal dogra DNA > RNA > Roder/ ove part DNA voledode/potyme/chan. made of mudeotide monomers. DNA: stry of letters -> mudeotide Hors - swollenler ACGT1 Nucleotele : nitrogeneous buse strongs + 5-Carten sugar (deoxy...) + phosphate groups (acid_) (meleobose) phosphale gros





DNA > 2 strades Jone chromosure. DNA ore chousers pour "howologens" Sent Shepe & SIH. an breeze garber Some general purpose but Just details, (22+ X + (XO(Y)) Repholm o who stare 1 choonsone. >> split Dwing (replientin

Chromosones:



Type 1/x2. 23 of Hese pars. DNA strad Type 2. 21/22.

Chromosone Type I Faother (73 paints)

(Type I)

Type I Faother

(Type

DNA

Tronglate.

Codon

A G G

MRNA

Translate.

Pertide.

Polypertide.

DNA Ch genetic Where to van enotype gerles: water poly pepties proten Cong RNA ammo and muleohde. languese of peptide codon proteins Lgeve DNA > polypeptide. Fold & combine

1952

(2).

DNA	1	molens	<i>"</i>
1/(N)	ے	V 0 - CO 12	

Profere: mode on vibosenes (in cytoplanon)

Solution: RNA. (messenger RNA: mRNA)

Two steps

(1) copy to RNA: [transcribe] transmit

2) Translate to protein : [translate! translatu.

PNA: Suche to DNA

· replace deoxynbose Tsuger with abost suger

RINA 15 DINA.

o replace Base 25th T with U

KARL WAR I WAN VI

also & typully sigle-straded (thish often folds

· multiple forms/wes/stages

WRNA & wesseye (for proterns) ERNA & transler (helps band)

rRNA < nbosome.

Base pars (pour) (pour) RNA DNA DNA A Ч Dagre DNA 1 trancription (copy) MRNA polypeptide. I translation

(polypeptide). militare amus acide. multople (meds). Coder: \triplets of DNA } egum.

DNA RNA AA.

[ACG] > [ACG] > [

TAAI > MAAI -> 0

CDNAS

gluetic legade

to proter legunse

(AA)

VICA

RNA RCOODERS

open up!

In Nivelness

In Nivelness

Ormely

under

onthere

letters & Strige of letters	
"Inbetuern Seale"?	
> words of Triplets	
Q'une do ne went to say ?.	
Amino acids & Rroteins	
Triplets, Amino aciels, Rrothers, ghes.	
DNA letters -> tryslety -> annuo as (meleotides) (words) (20) (4) (20)	erels -> proters
of letters of letters	pere of more of more in poters ands

Dictionery. [5] 64 possuble typhets T A A A A A C C C C C C C C C A G. 20 anno aerels + 3x step. Redundancy! more fault bolerat? AUG: Start 7 UAG, UAA, YGA: Step. /

u(AG), u(GA, U/AA

PortI A,C,4,T (ACG)(--X) letters > words coden. ane.1. Sentenes/bookens $(\chi)(\chi)$ Amno acide! the offer great X-hehx took Mage! Cetter Bestrad. Code-Trydet: word Excere ! Senteras (Roten: sertence/paragraph). SAmino acid } Tetter { peptide } word

(polypephe) Sentere - (potern) (sentere (peragraph)

DNA -> FNA -> MRNA RNA Coop & tout.

Scoole for protein polyper Cerp 17 whom exon von codry J rendy as upplated (all cody)

A, C, G, T4 certers Letters: TAMINO acids : [20] Mord I = 4 UI = 16 9×9 000-64 4x4x4 -> I ammo acid. 64 20 vechundan y 3 (effers ="Codon"

DNA Words and

Triplets (Codons

DNA Words)

Milprotern Jether

Perfect

Sentences segues

Letters

Perfect

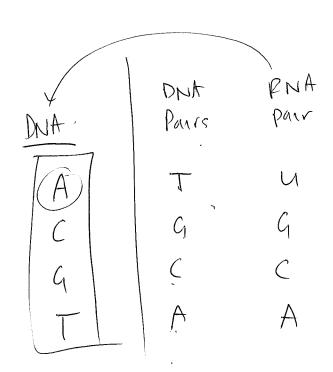
Perfect

Perfect

Perfect

Perfect

Perrongrafi



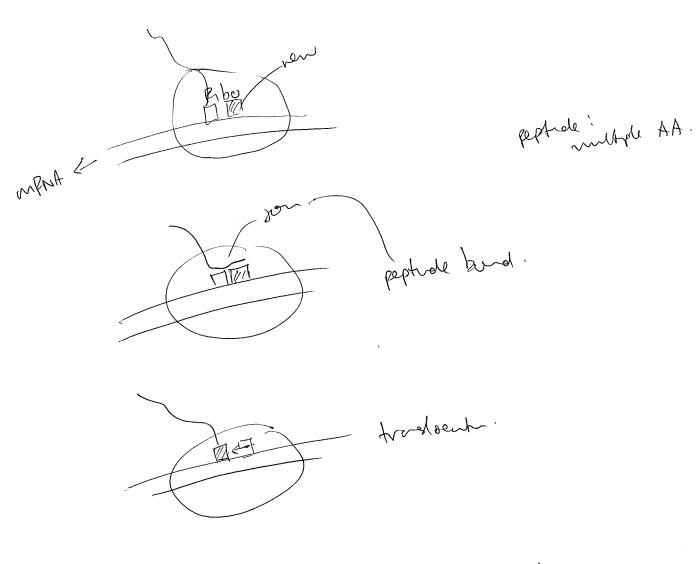
TA GC

Love 800)

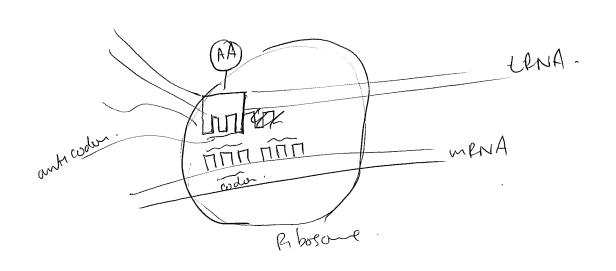
del

(Inc.)

Shot



"Glorgatu" -> growng polynep./AA den.



10441 tRNA

acc1 mPNA

Protein ?
Alword &
polyperhole cham (los seg-of AA).
Now: twist, fold & stich } ghick to weeke proper protein } (30)
a) primary street of long polypep. ohen.
(6) - Secondary } turst & fold
C). tertung { commun of turked polds
d). Quaterney } Shtch togethe.
letters -> words -> sentences -> peregraphs
prong & secondary > tertiony > quarterny

Mutatus

Base substitute

("local" effect. 10.

Base substitute

("Rose mentaldeletur & typically und discus."

Wesses up

Peading of office of lefteet.

Sichle cell: Base substitute.

Alter Hanloglober.

Red blood cells

muschepen.