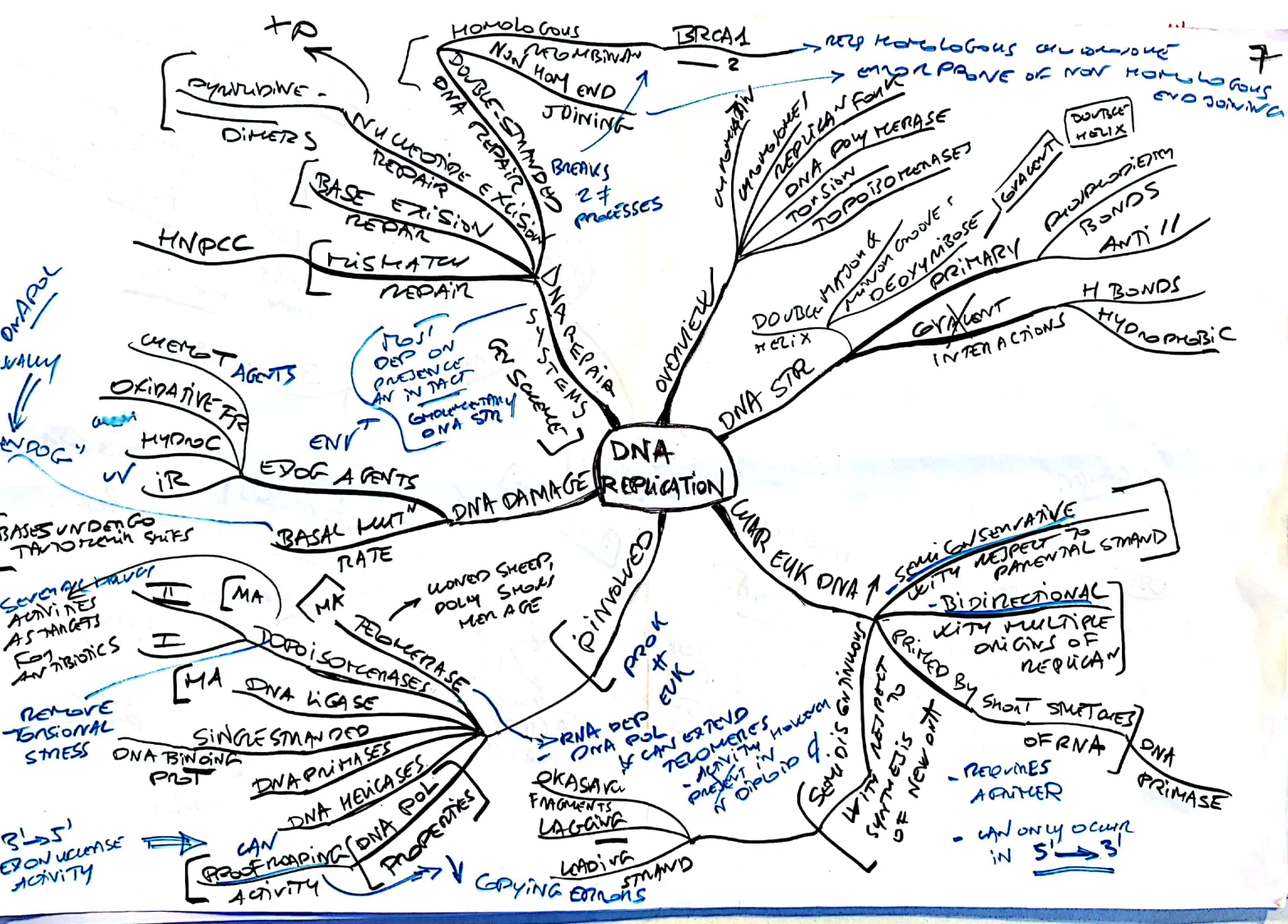


DNA REPLICATION



ONAPOL
UNWALLY
EVROG

POST
DEP ON
PRESENCE
AN IN FACT
GEMENTARY
DNA STR

BASES UNDERGO
TANOTREIN SHITS

REMOVE
TENSIONAL
STRESS

BLISS
EXONUCLEASE
ACTIVITY

COPYING ERRORS

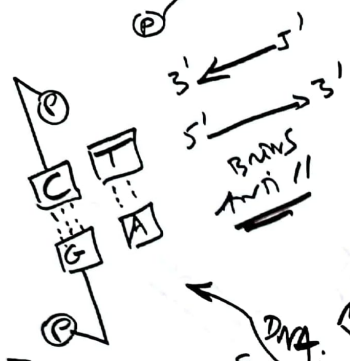
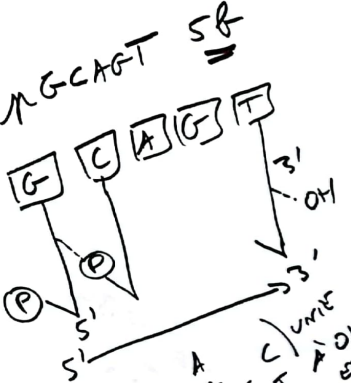
INVOLVED
PROK
EUK

RNA DEP
DNA POL
& CAN EXTEND
TELOMERES
- activity in
prokaryotes
in diploid &

GEN DIS
INVOLVED
WITH
RETRACT
SYNTHESIS
OF NEW DNA

DNA
PRIMASE

NOYAU → BASE → nucléotide → nucléotide-
 NH₂ OH CH₃ ribose & ribose



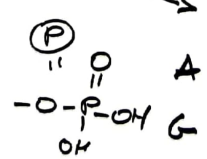
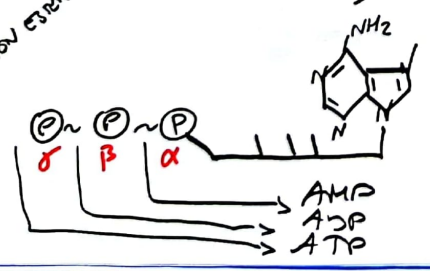
Acides Nucléiques

Structure d'un Pentadesoxy Nucléotide

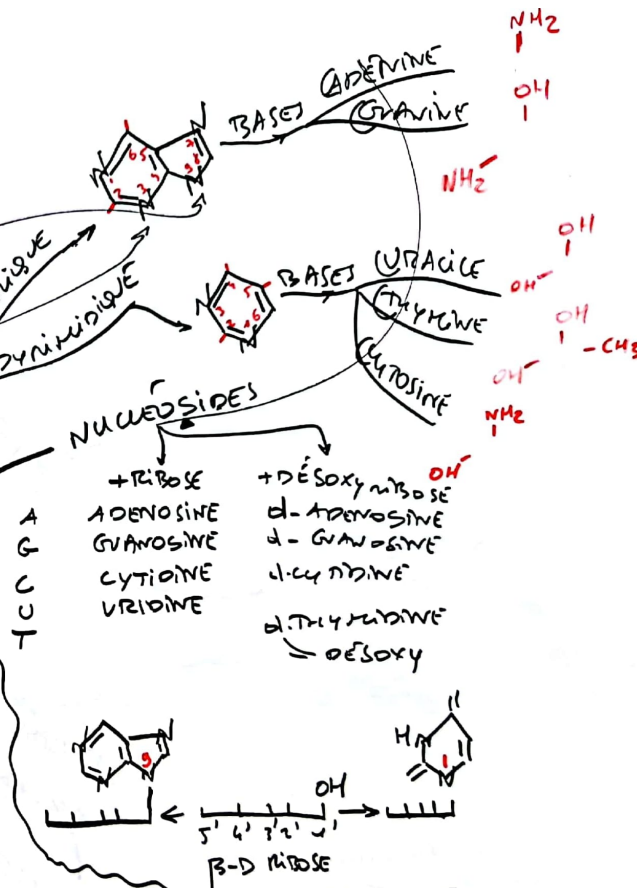
DÉSOXYNUCLÉOTIDE

NUCLÉOTIDES = NUCLÉOTIDES phosphatés

EX



- AUTE ADENYLIQUE = AMP ADP ATP
 d ——— dAMP dADP dATP
 d GYANYLIQUE GMP GDP GTP
 cytidylique
 uridylique
 thymidylique



NOYAU

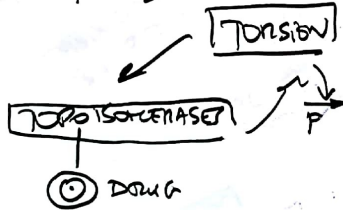
BASES

nucléotide

nucléotide-

CONVENTION
 APPROX TO ENK
 PINK B

(?)
 MULT
 NUCLEIN
 DS
 TUMORIGENESIS



OVERVIEW



CAN OCCUR ONLY
 ON A SINGLE
 STRAND
 DNA TEMPLATE

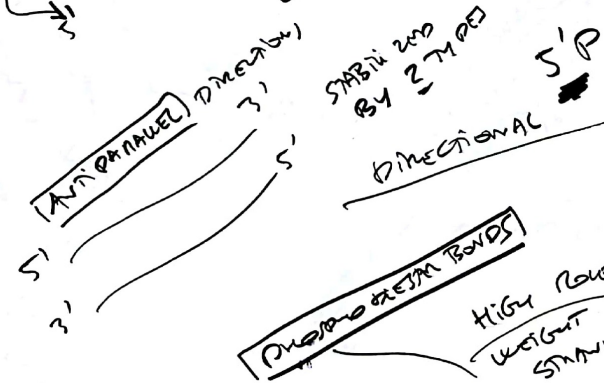
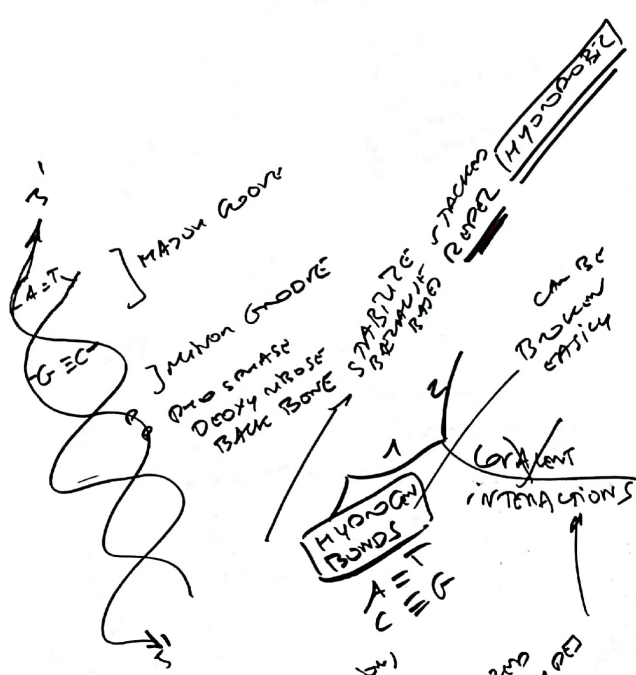
MUST 1ST UNKIND

BOTH STRANDS
 COPIED
 SIMULTANEOUSLY

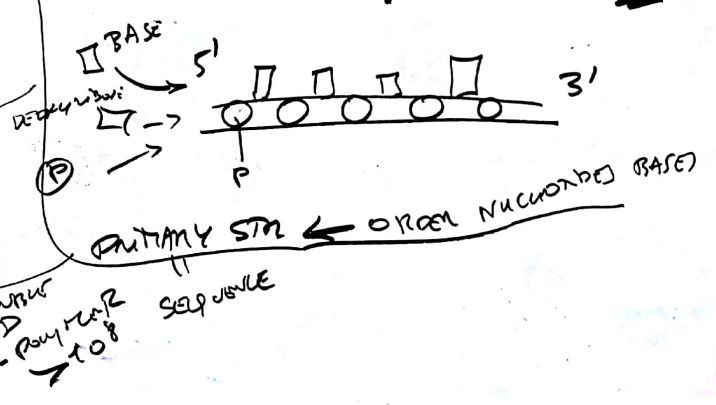
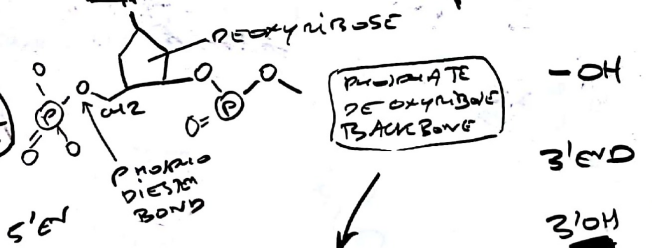
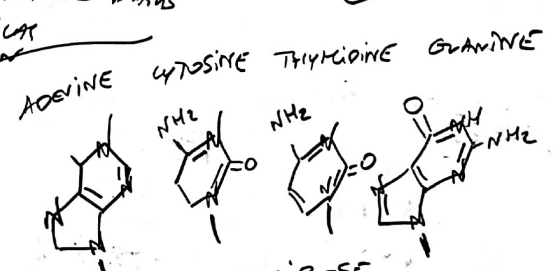
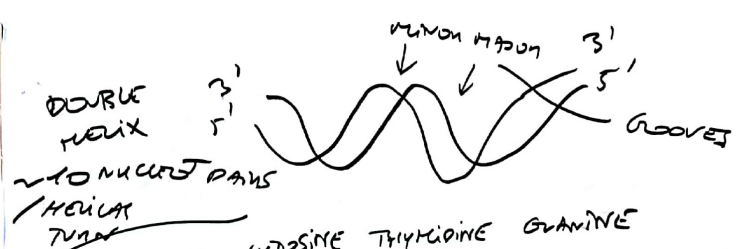


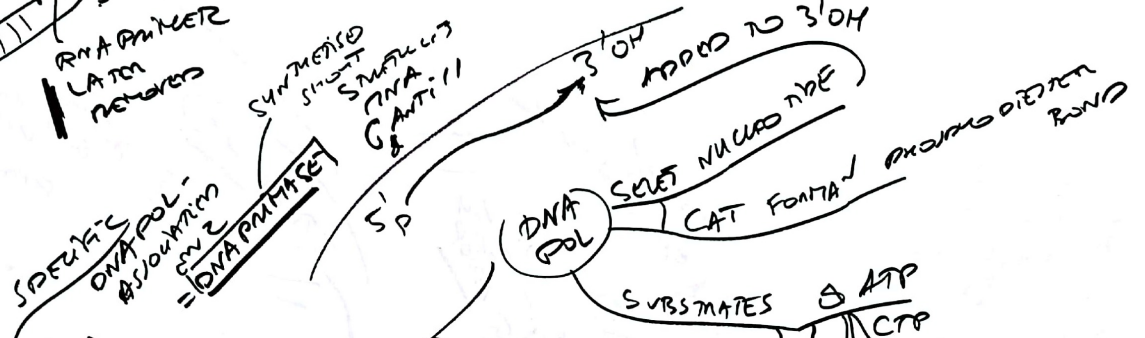
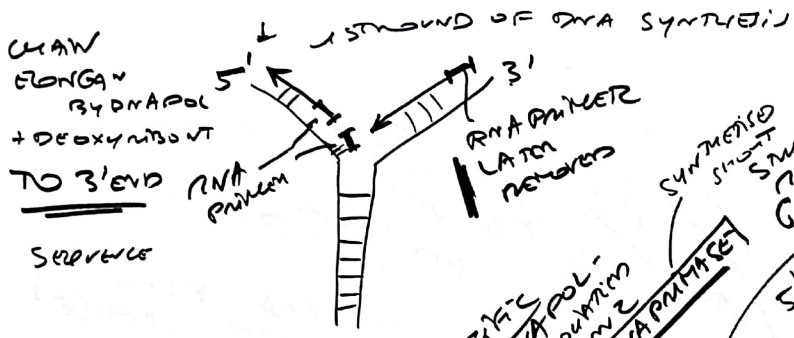
MAIN ENZ [DNA POL]

REQUIRE NUCLEOTIDES
 ON OPPOSITE STRANDS
 & PROOFREADING FN
 TO CHECK & MELT
 ANY MISTAKES



DNA STRUCTURE



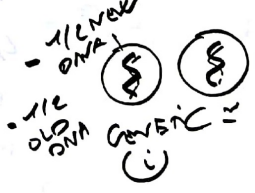


DNA POL CANNOT INITIATE 1 GS ON RNA SS. NEEDS PRIMER

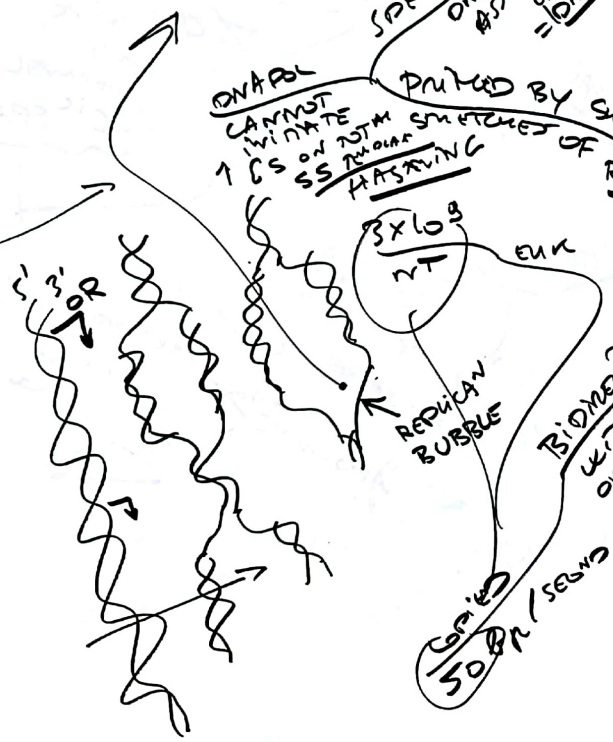
INITIATED BY SHORT STRANDS OF RNA

CHAR

DNA IS SEMI CONSERVATIVE WITH RESPECT TO PARENTAL STRAND



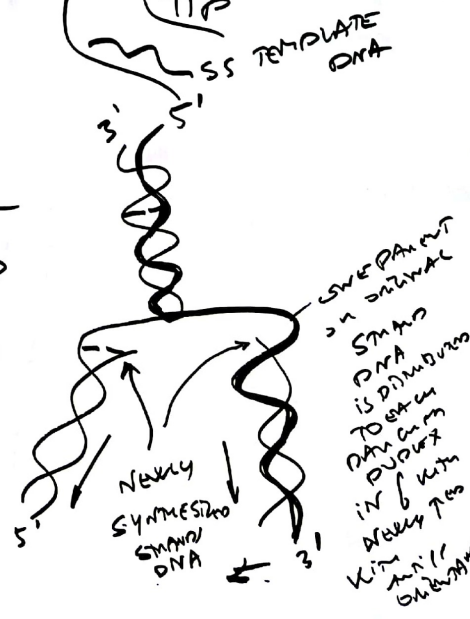
TOO MUCH 4

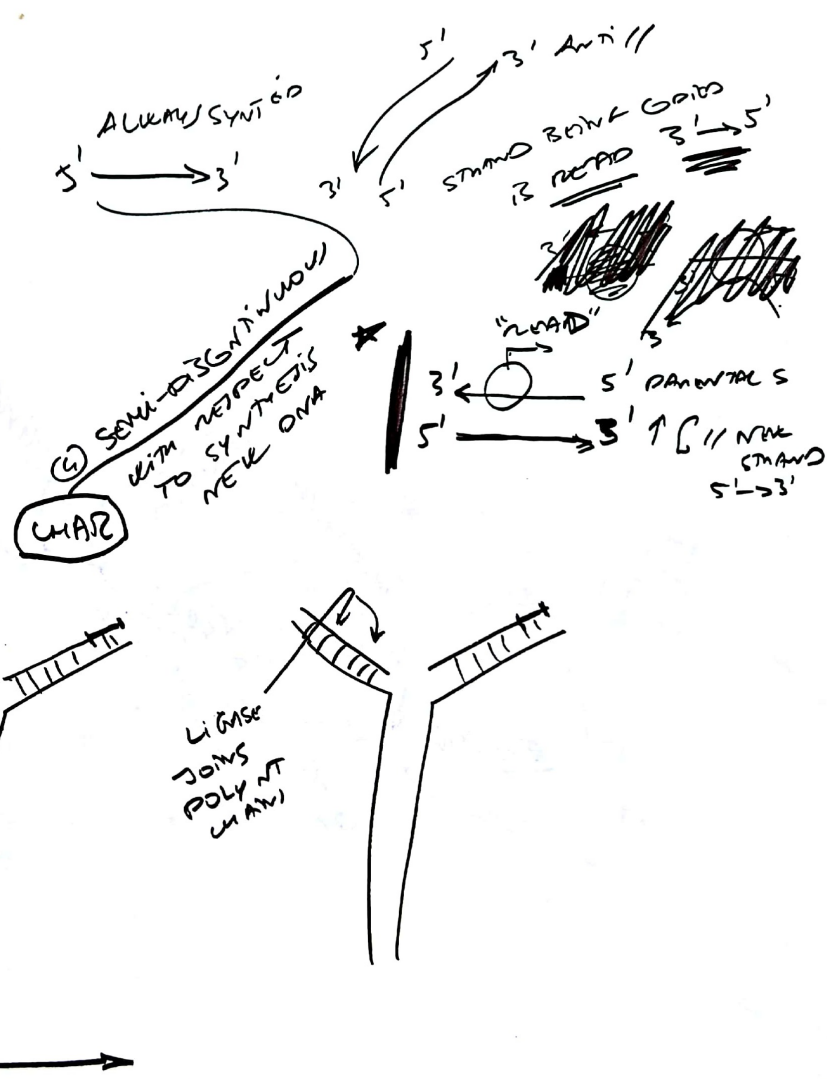
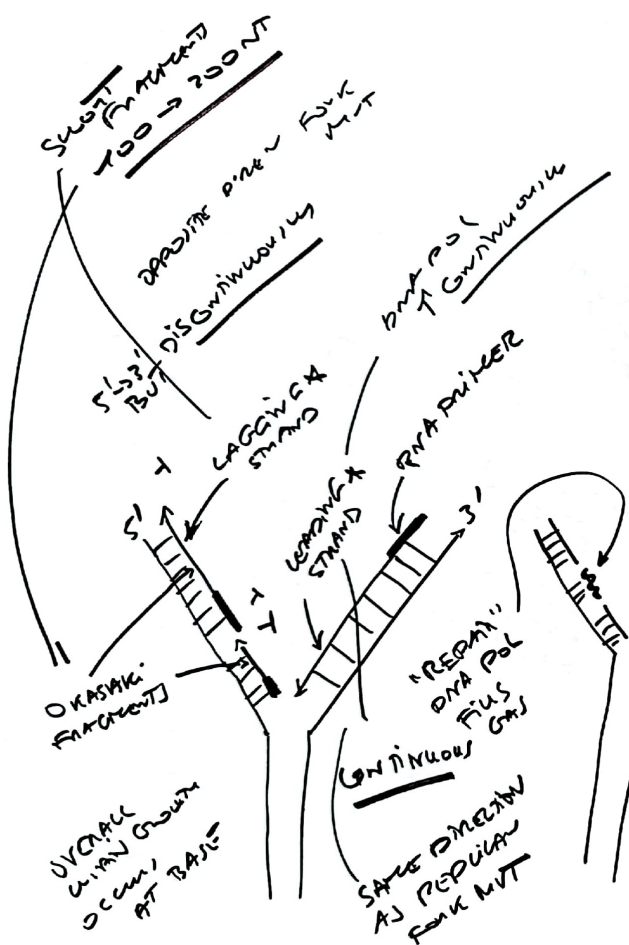


BIDIRECTIONAL WITH MULTIPLE ORIGINS OF REPLICATION

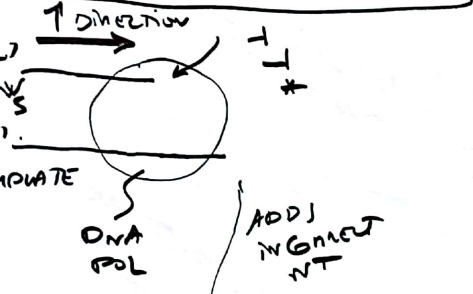
COPIED 50% / SEGMENTS

STRAND 46 CANS AT ONCE

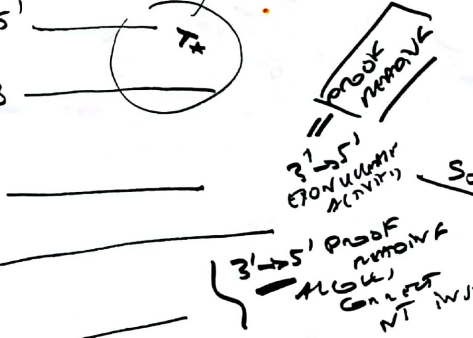




MOOF-READING ACTIVITY OF SOME DNA POL



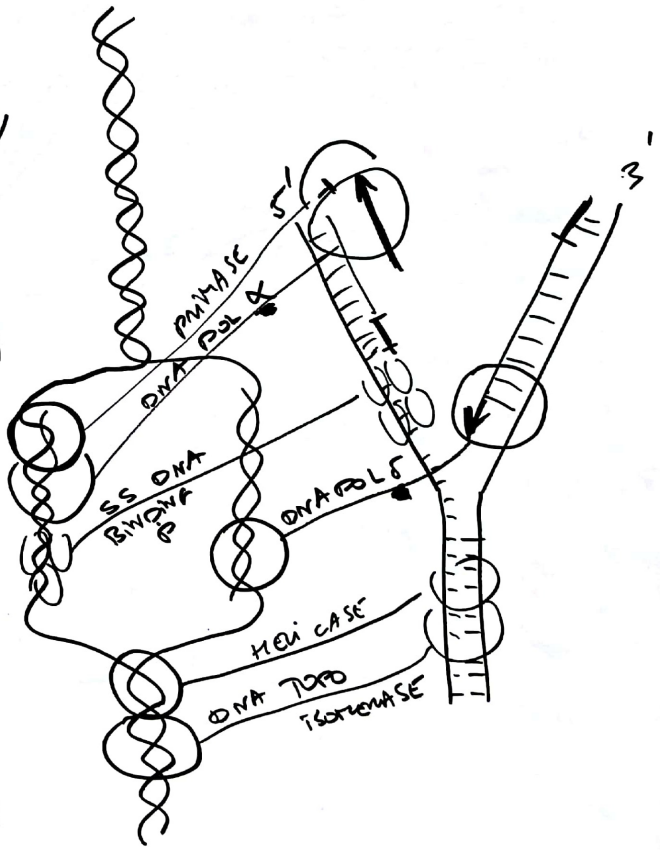
ACTIVITY THAT IS FOR NETWORK PRIMERS IN PROK
 5' → 3' Euk
 ANTI 5' → 2'



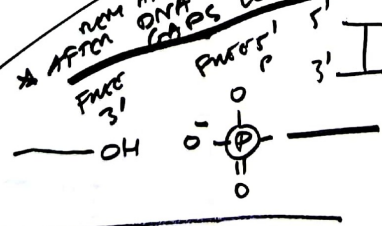
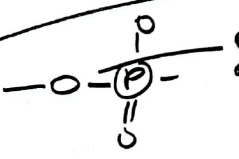
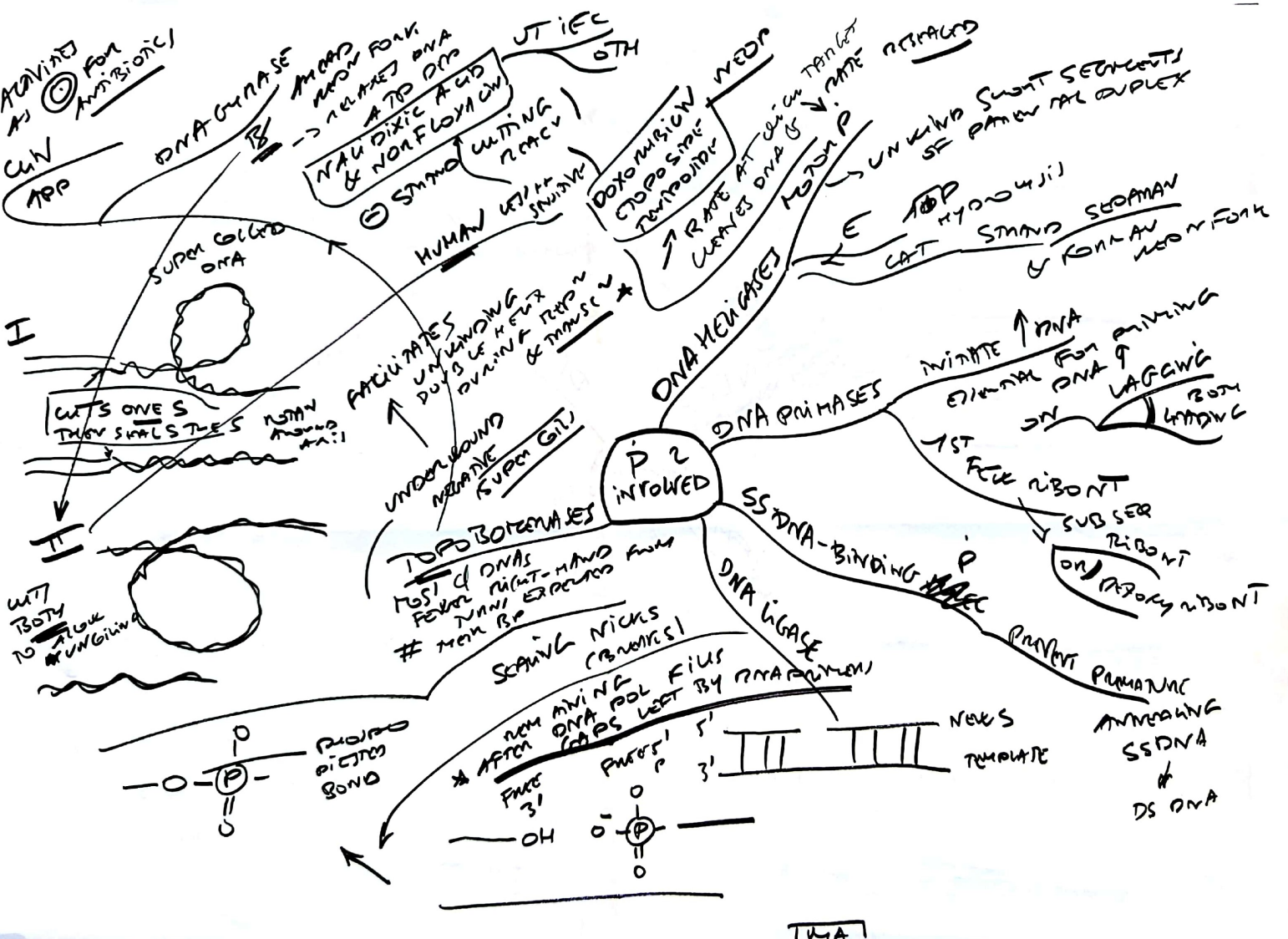
DO NOT POSTEST
 DNA POL
 P 1 INVOLVED

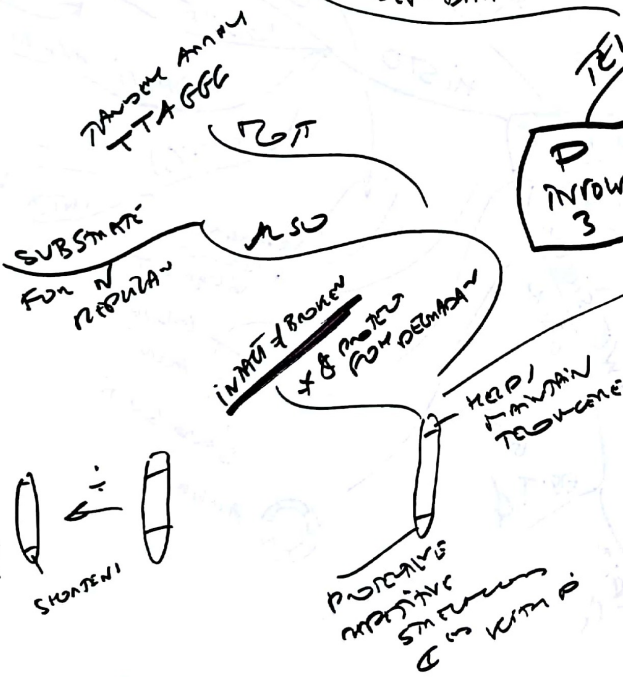
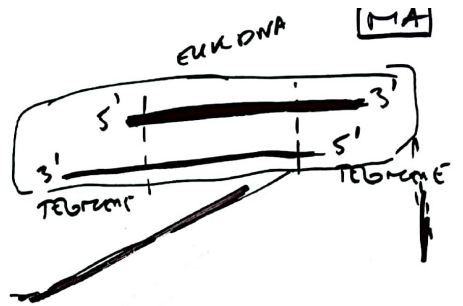
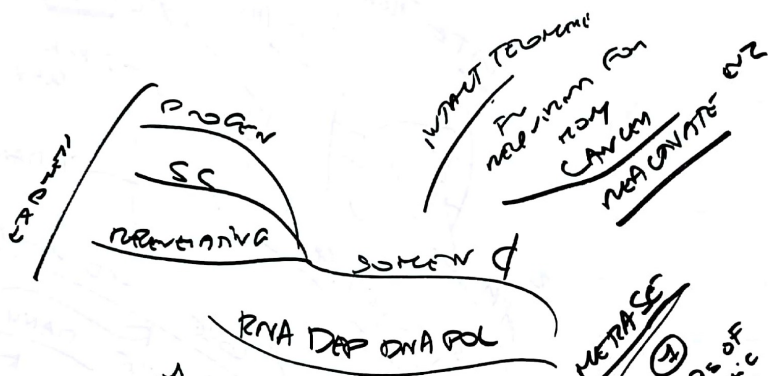
	α	β	γ	δ	ε
LOCN		NUC	NUC		NUC
REP	YES	NO	YES	NO	YES
REPAIR	NO	YES	NO	NO	YES
ASSOCIATED W/:			YES		
5-3' POLYMERASE					
3-5' EXONUCLEASE		NO		YES	
5-3'			NO		

PROPERTIES EUK DNA POL

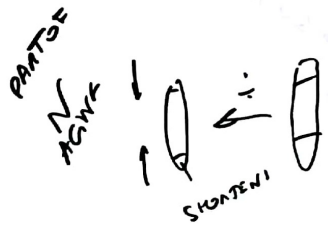
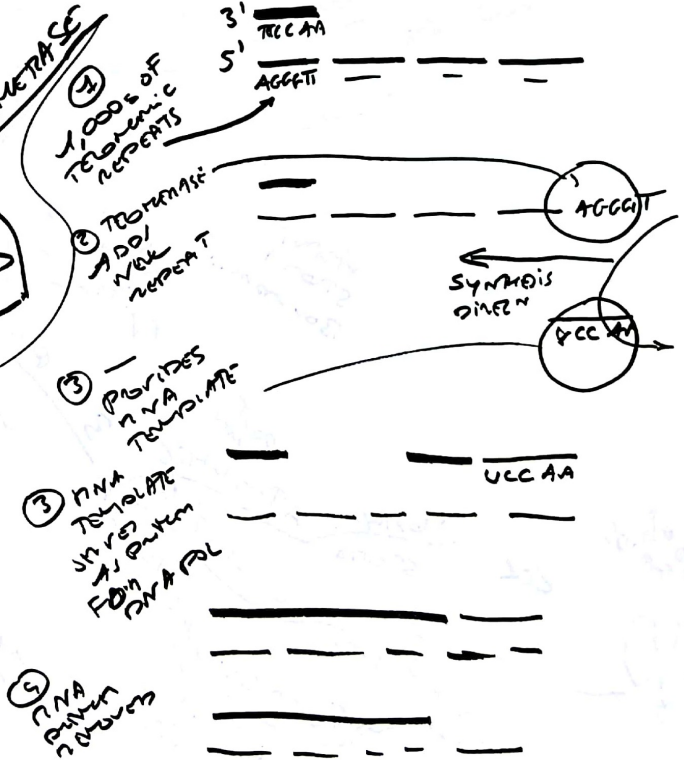


MOVING AS A  FOR AMIBIONCI
 C/W APP





TELOMERASE



SOMATIC → NUCLEAR
MANIFEST



→ HALLWAY GUARD
DORAL SCREEN

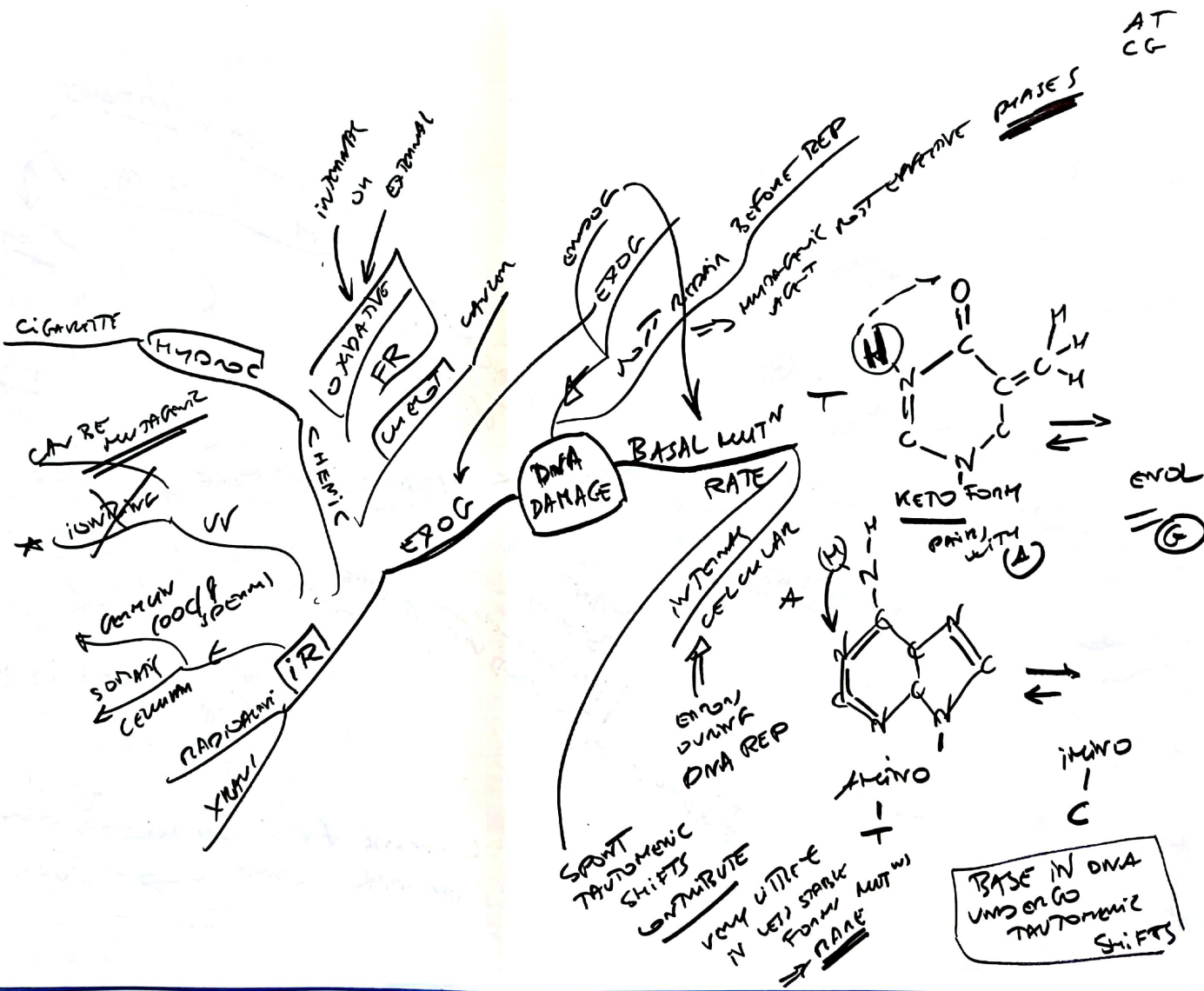
1997

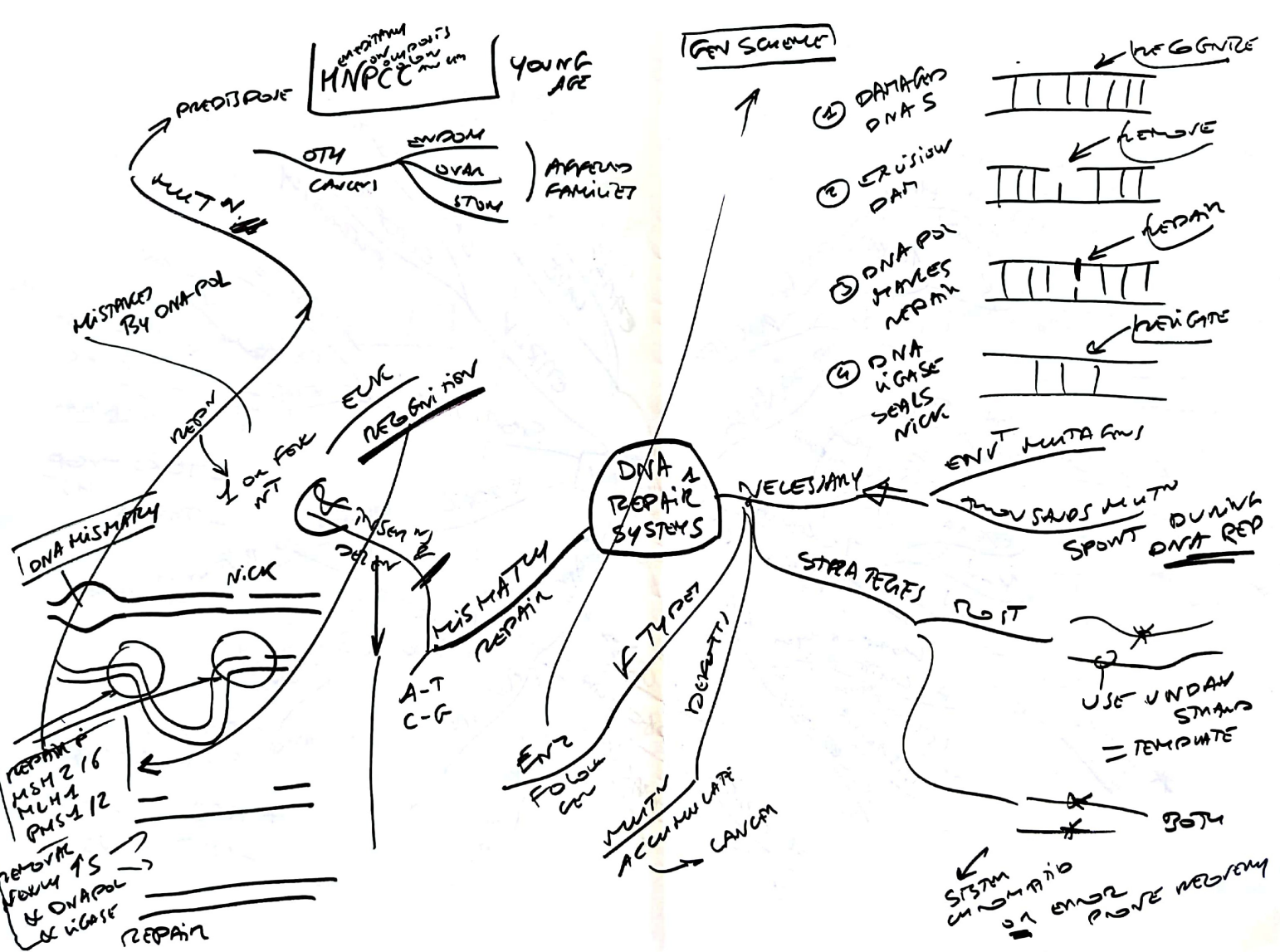
N 3

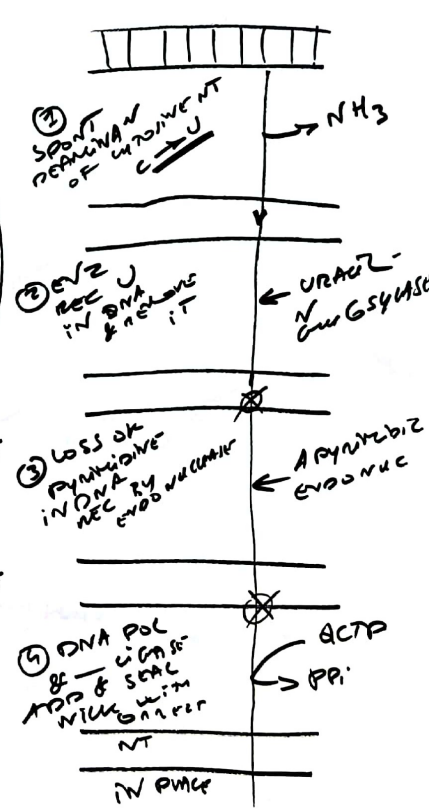
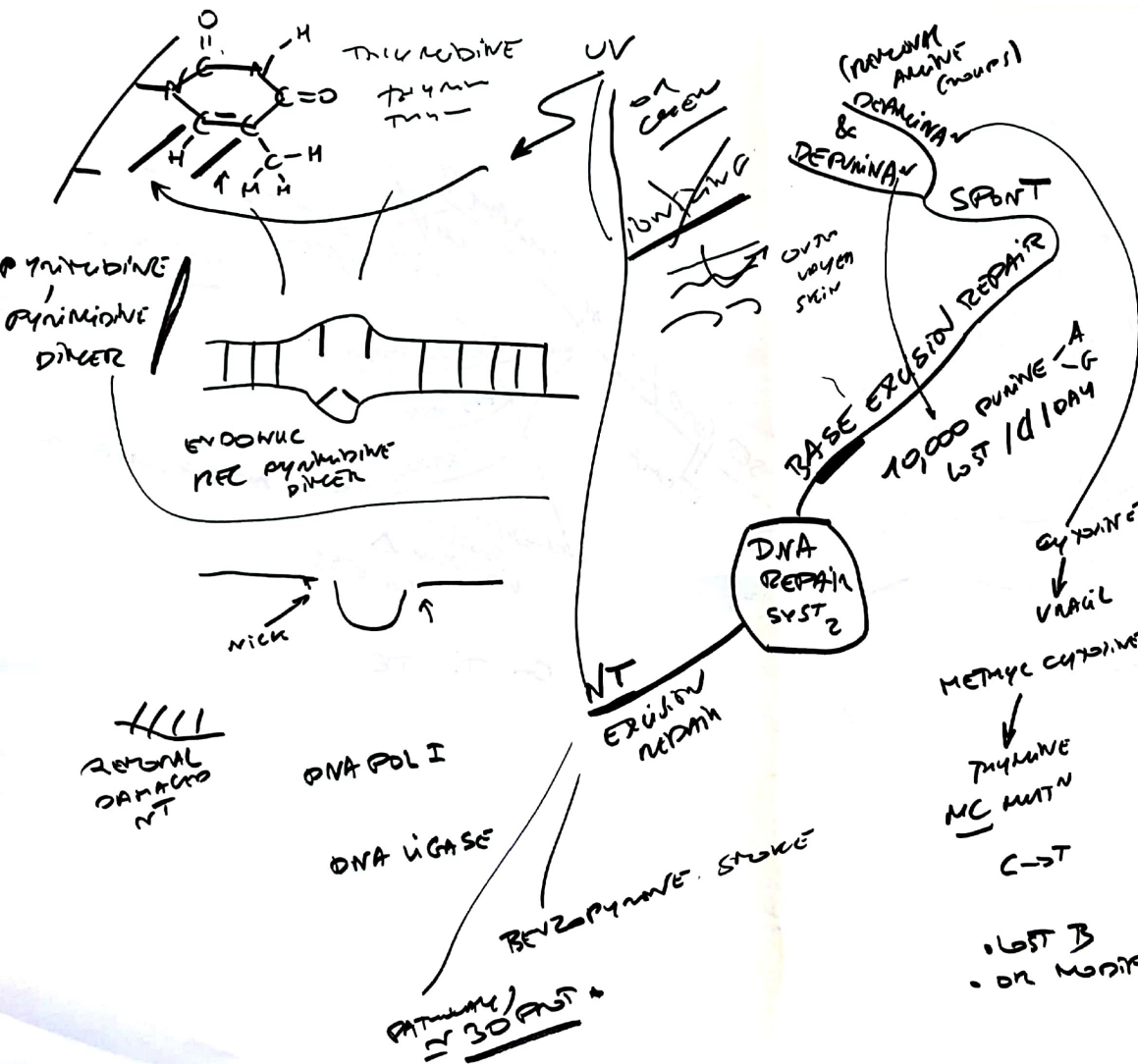
TELEPHONE SWITCH

64 → MR CONN
UNK D

CA:
CONNS
SHARP DOLLY
SHARP SHON
AGE







1000 B
 OR MORE

