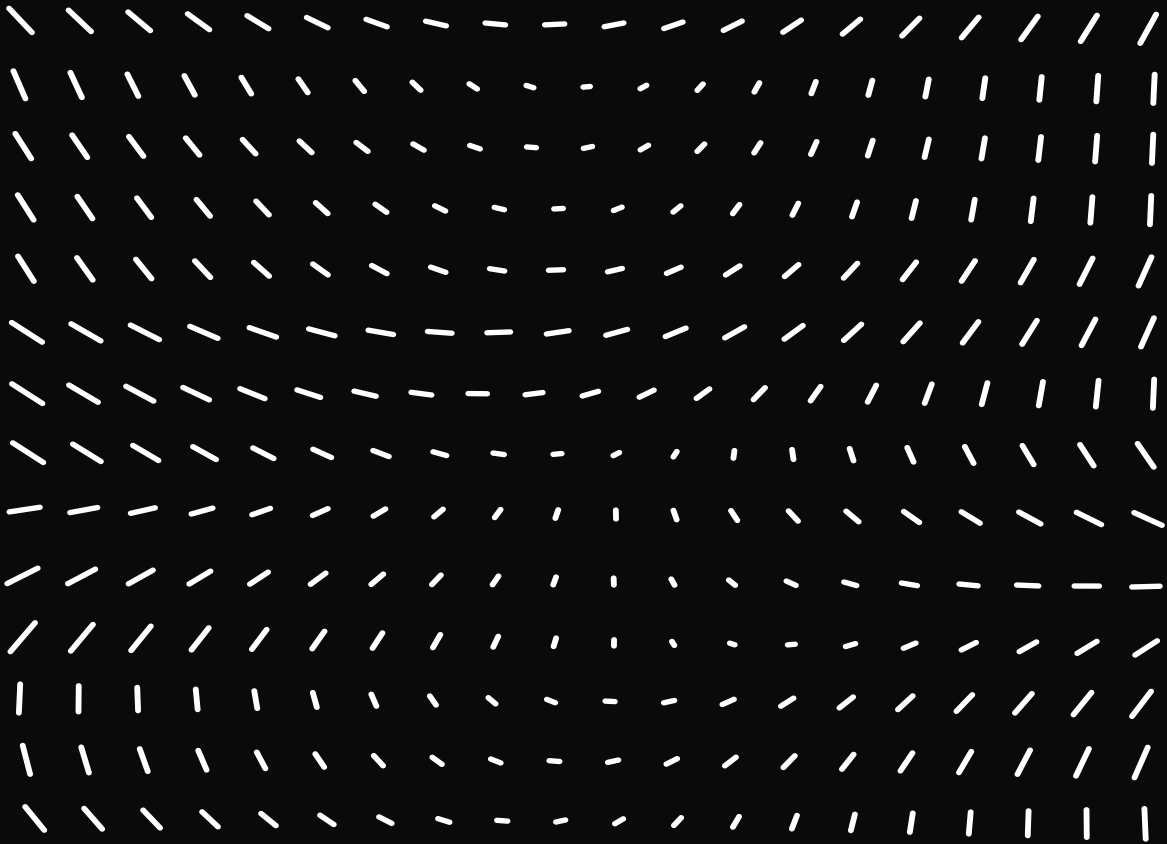


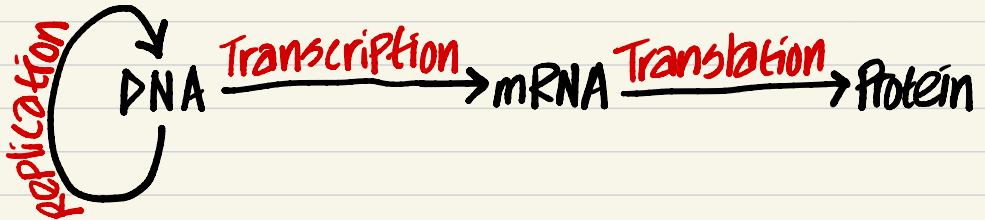
Pharmaceutical

Biotechnology

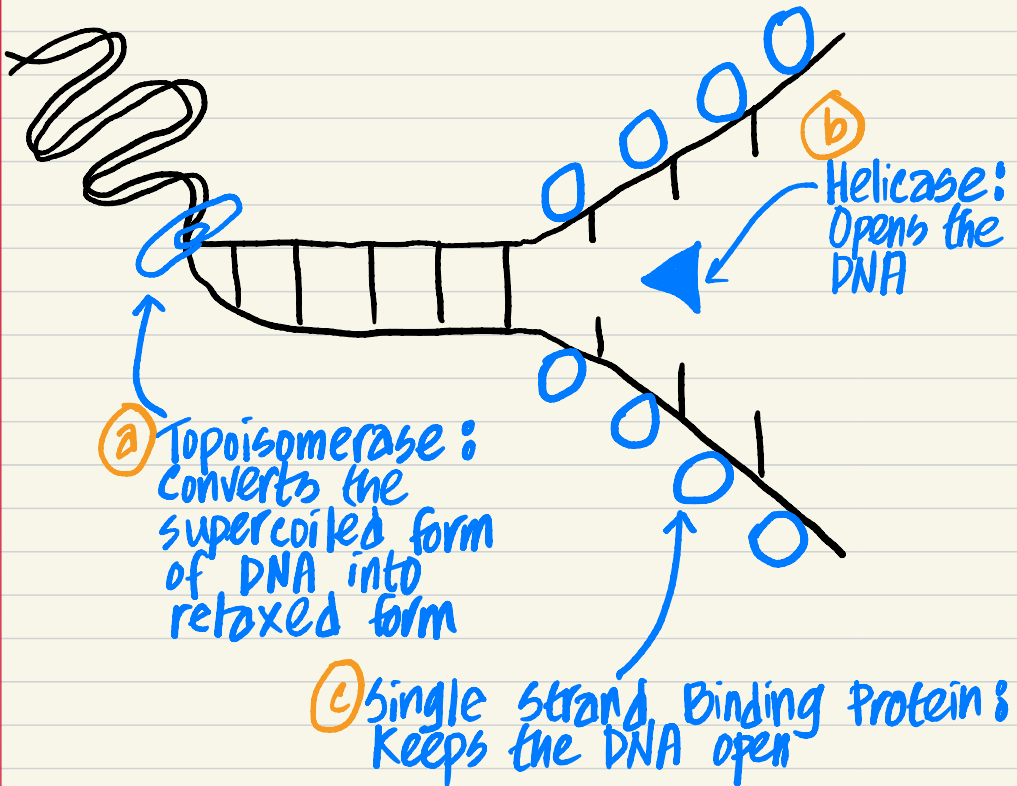
- Galib Muhammad Abnan

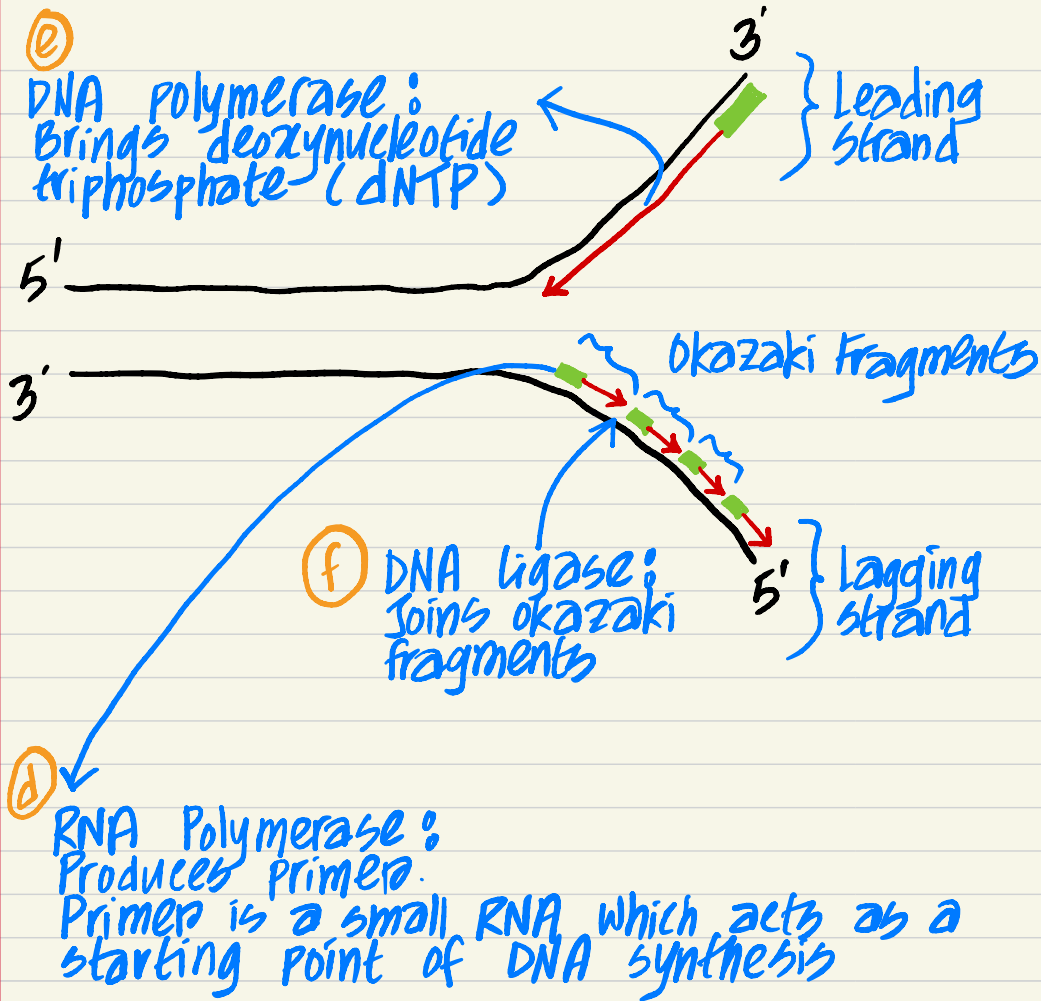


The Central Dogma of Molecular Biology :



① DNA Replication :






REMEMBER !

- ✓ DNA Replication is semi-conservative
- ✓ DNA Replication is semi-continuous
- ✓ DNA Replication is semi-discontinuous

② DNA Transcription :

Transcription occurs at Genes.

Genes are part of DNA that contains code for a specific protein.



Promoter

Coding Region

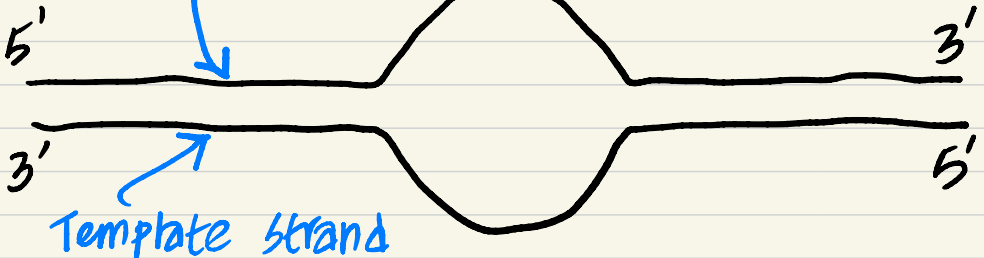
Terminator

② RNA Polymerase :

→ Binds with Promoter & moves to 5' → 3'.
Initiates the production of mRNA by adding RNA nucleotides.

Addition of nucleotides is halted when RNA polymerase reaches terminator.

Coding strand



③ DNA Translation :

