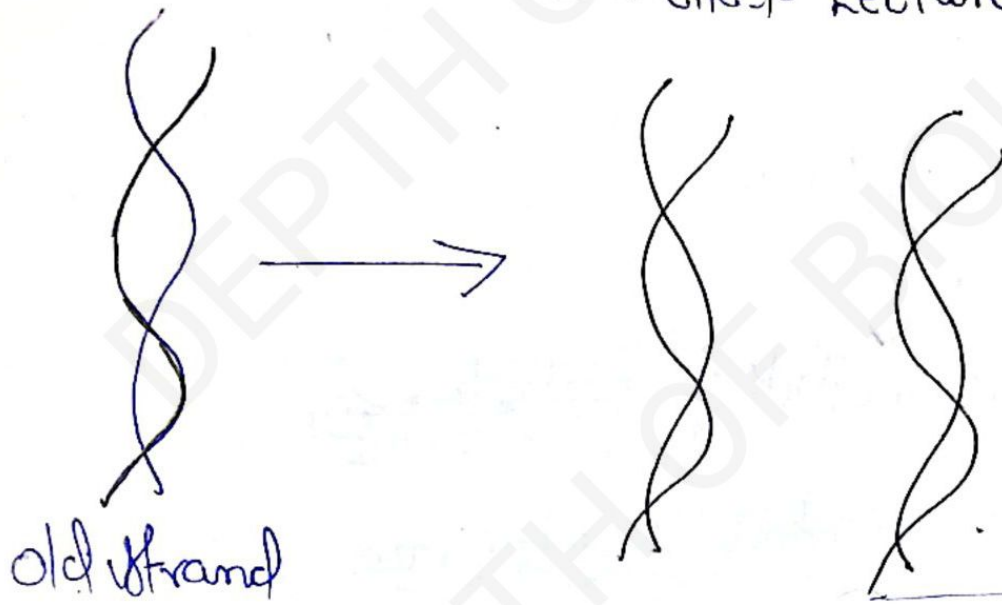


DNA Replication.

→ Check Lecture DNA v/s RNA.

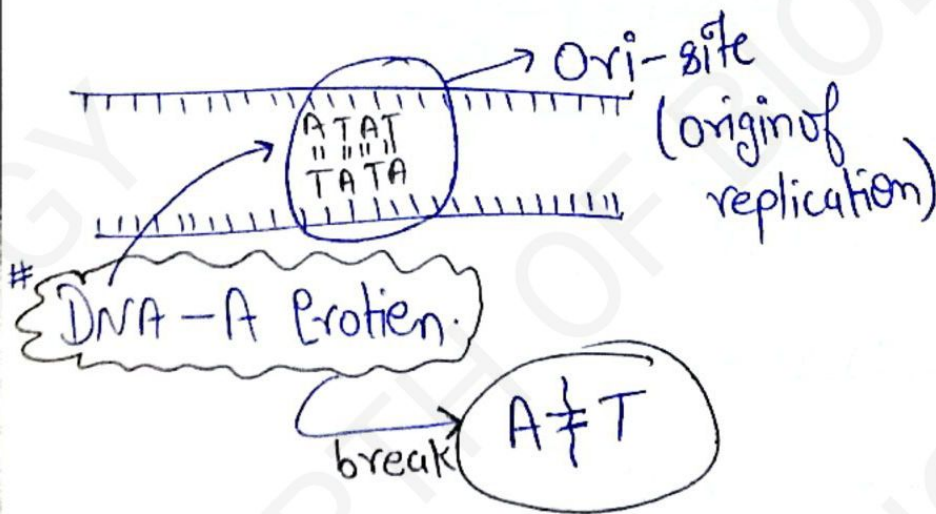
[DEPTH OF BIOLOGY]



Old strand
break
& New strand
formed

So, it is Semi-Conservative Method.

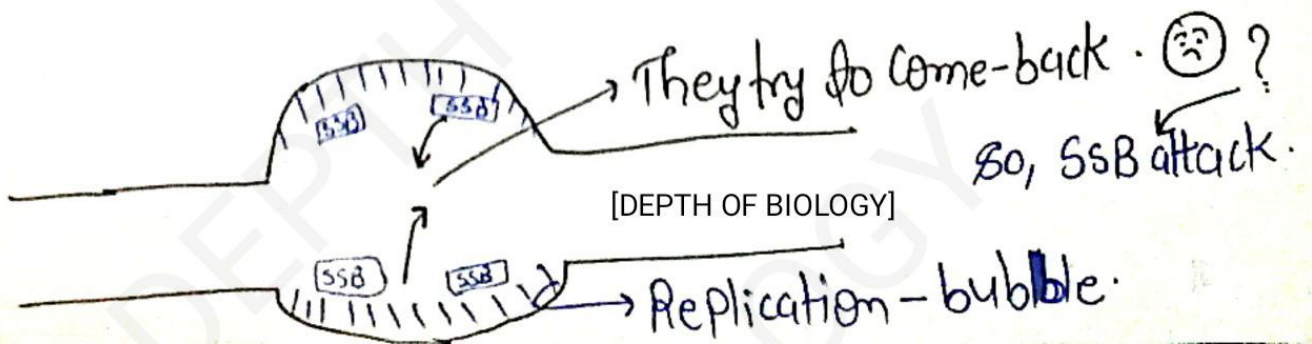
experiment
(Next Lecture,
check in playlist)

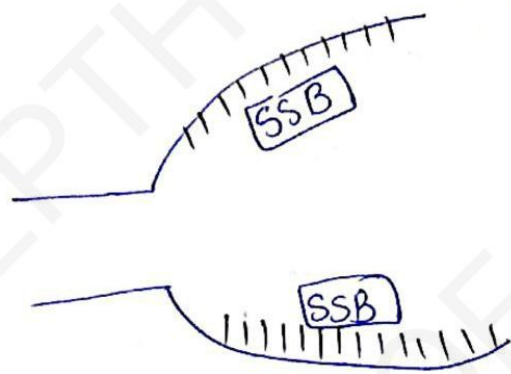


[DEPTH OF BIOLOGY]

Bacteria Chromosome → Single Ori.

Human Chromosome → Multiple Ori.





[DEPTH OF BIOLOGY]

Now, attack of DNA POLYMERASE

Or, we can say DNA Dependent DNA polymerase.

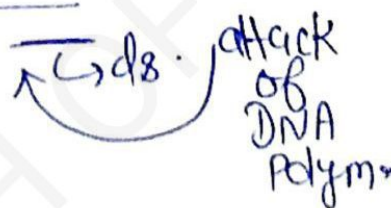
Highly efficient enzyme
& also do proof reading
(A=T, G=C).

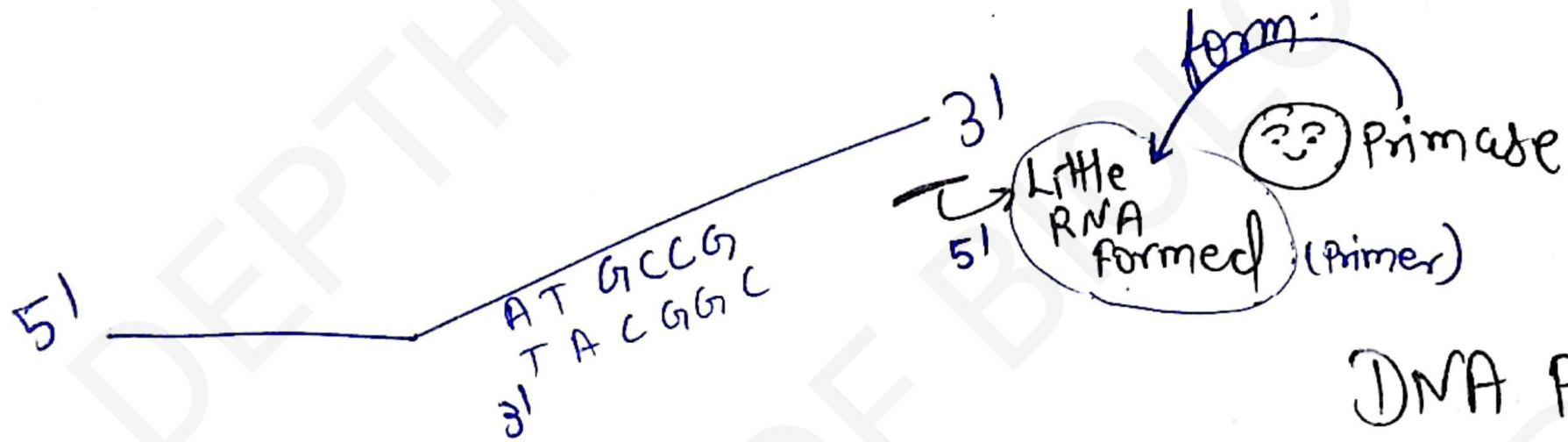
[DEPTH OF BIOLOGY]

Working Condition
of DNA Polymerase $\Rightarrow$

- (a) Always polymerase into $5' - 3'$.
- (b) Always work on single strand.
- (c) Attack/work on single strand but attacking area must be double strand

[DEPTH OF BIOLOGY]





[DEPTH OF BIOLOGY]



[DEPTH OF BIOLOGY]