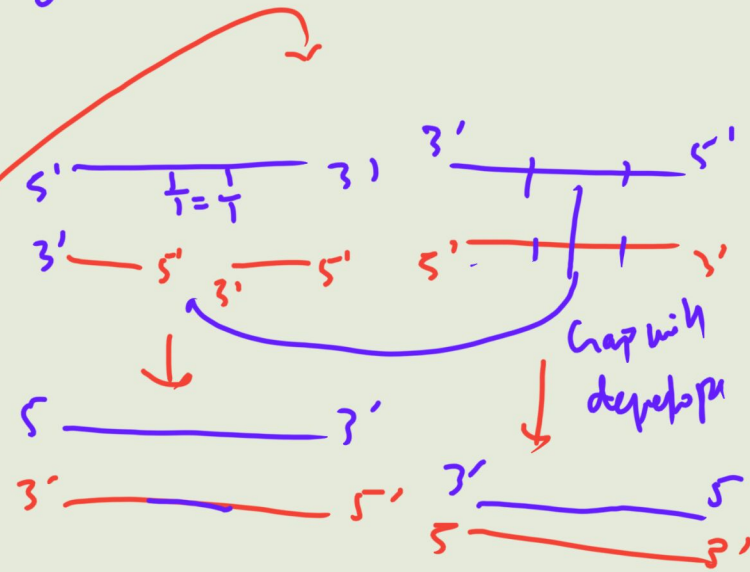
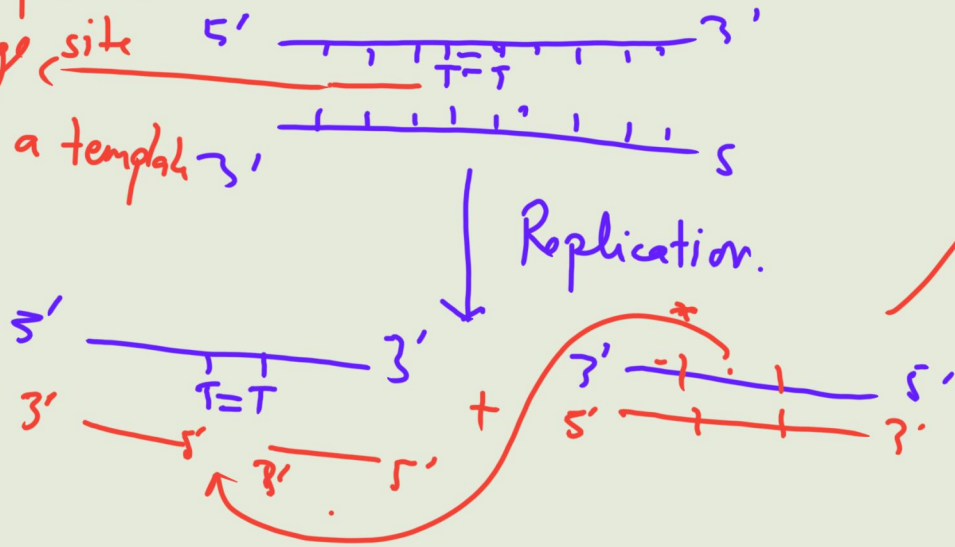


# Recombination Repair

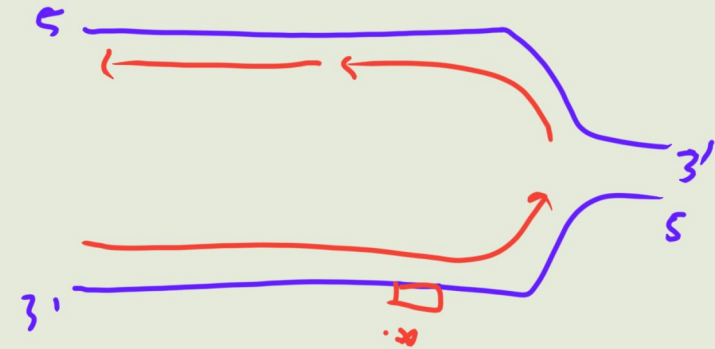
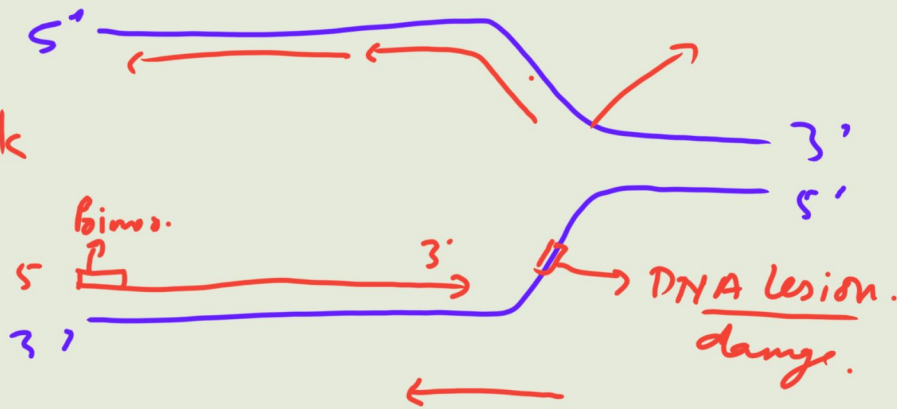
- \* Post Replicative repair
- \* Filling gap in one strand of ds DNA by rejoining a homologous single strand.

T=T dimers prevent the damage site to act as a template

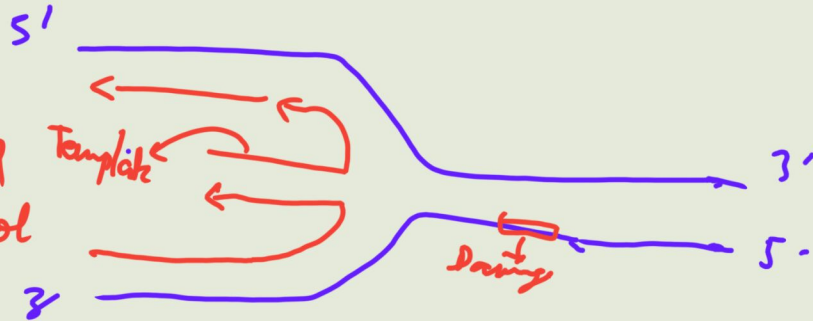


\* If the damage cannot be bypassed then the synthesis of the daughter strand will terminate.

\* Replication fork stall & reverse.



The incomplete DNA is extended by DNA pol



# Repair of ds DNA Break

↓  
double stranded.

1) Non homologous

2) homologous.

1) Non Homologous

→ Use homologous sequences to repair DNA.

\* It requires several recombination proteins.

Repaired DNA

