

DNA REPLICATION

Match with the correct answers.

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HELICASE

Catalyzes the relieve of the strain, preventing the supercoiling

DNA POLYMERASE I

Bind to the unpaired DNA strands, keeping them form re-pairing

PRIMASE

Catalyzes the synthesizing of a short RNA primer at the 5' end of the leading strand/3' end of DNA template

TOPOISOMERASE

Catalyzes the unwinding/untwist of of the double helix DNA at the replication forks

DNA POLYMERASE III

Catalyzes the degradation and replacement of RNA primer with DNA nucleotide

LIGASE

Catalyzes the addition of free DNA nucleotides to the 3' end of RNA primer complementary to the bases of the template

SINGLE STRAND BINDING PROTEIN

Catalyzes the joining of Okazaki fragments on lagging strand