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1.The three steps in the process of DNA replication are initiation, elongation and termination.

Replication Basics. Replication depends on the pairing of bases between the two strands of DNA. ...

i.Initiation. ...

ii.Elongation. ...

iii.Termination.

2. Important Enzymes in DNA Replication.

Enzyme Function

Topoisomerase Relaxes the super-coiled DNA

DNA helicase Unwinds the double helix at the replication fork

Primase Provides the starting point for

DNA polymerase to begin synthesis of the new strand

DNA polymerase Synthesizes the new DNA strand; also proofreads

And corrects some errors

DNA Ligase Re-joins the two DNA strands into a double

Helix and joins okazaki fragments of the lagging strand