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BCH 204

1.Steps of DNA Replication

Initiation

Elongation

Termination

2 .Functions of DNA replication enzymes

Important Enzymes in DNA Replication

Enzyme	Function
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Topoisomerase-	Relaxes the super-coiled DNA
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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
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DNA polymerase-	Synthesizes the new DNA strand; also proofreads and corrects some errors
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DNA ligase-	Re-joins the two DNA strands into a double helix and joins Okazaki fragments of the lagging strand
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