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**Course: BCH204**

1. HIGHLIGHT THE STEPS OF DNA REPLICATION

**Initiation**

**Elongation**

**Termination**

1. OUTLINE THE FUNCTIONS OF DNA REPLICATION ENZYMES.

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