

## 1. HIGHLIGHT THE STEPS OF DNA REPLICATION

Step 1: Replication Fork Formation

Step 2: Primer Binding

Step 3: Elongation

Step 4: Termination

## 2. OUTLINE THE FUNCTIONS OF DNA REPLICATION ENZYMES.

Enzyme

Topoisomerase

DNA helicase

Primase new strand

DNA polymerase errors

Function Relaxes the super-coiled DNA

Unwinds the double helix at the replication fork

Provides the starting point for DNA polymerase to begin synthesis of the

Synthesizes the new DNA strand; also proofreads and corrects some

DNA ligase fragments of the lagging strand

Re-joins the two DNA strands into a double helix and joins Okazaki