

Bioinformatics Quiz

Sayam Kumar

S20180010158

Answer 1.

Step 1. Initiation - The synthesis starts at specific regions targeted by proteins. DNA Helicase is the main enzyme used here.

Step 2. Elongation - DNA primase is used to start elongating the strands.

Step 3. Termination - The DNA cell continues expanding until termination by DNA Ligase

Answer 2.

DNA is always synthesized in the 5'-to-3' direction. DNA polymerase helps this addition.

Answer 3.

3' A - T - G - C - G - C - G - A - T - T - A - T - C - G - C 5'
Answer T - A - C - G - C - G - C - T - A - A - T - A - G - C - G

Answer 4. Time is short.