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| **REPLICATION** | **PROTEIN SYNTHESIS** |
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| Helicase & topoisomerase  Single-stranded binding proteins  DNA Polymerase  Primer (Primase)  5’ to 3’ only  Leading strand  Lagging strand  (Okazaki fragments)  Ligase | Transcription  RNA Polymerase  Promoter  TATA box  1 strand  Termination sequence  mRNA  mRNA processing:  Guanine cap  Poly A tail  Cut out introns  Translation  2 ribosomal subunits  AUG – start codon (methionine)  tRNA (anticodon)  Stop codon  Wobble  Peptidyl transferase  Aminoacyl tRNA synthetase  **PROTEIN!!!!!** |