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| **REPLICATION** | **PROTEIN SYNTHESIS** |
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| Helicase & topoisomeraseSingle-stranded binding proteinsDNA PolymerasePrimer (Primase)5’ to 3’ onlyLeading strandLagging strand  (Okazaki fragments)Ligase | TranscriptionRNA PolymerasePromoterTATA box1 strandTermination sequencemRNAmRNA processing: Guanine cap Poly A tail Cut out intronsTranslation2 ribosomal subunitsAUG – start codon (methionine)tRNA (anticodon)Stop codonWobblePeptidyl transferaseAminoacyl tRNA synthetase**PROTEIN!!!!!** |