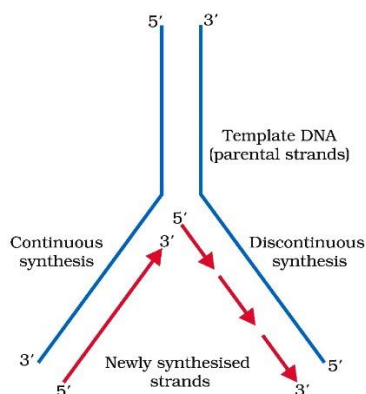
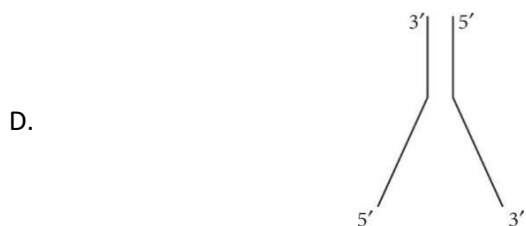


## 7. Replicating fork



### Important questions based on it:

- Draw a labelled schematic sketch of replication fork of DNA. Explain the role of the enzymes involved in DNA replication. *(Delhi 2009)*
- Draw a labelled diagram of a “replicating fork” showing the polarity. Why does DNA replication occur within such ‘forks’?
- Name two enzymes involved in the process of DNA replication, along with their properties. *(AI 2015)*



- Identify the structure shown above.
  - Redraw the structure as a replicating fork and label the parts.
  - Write the source of energy for this replication and list the enzymes involved in this process.
- Mention the difference in the synthesis based on the polarity of the two template strands. *(AI 2013C)*
  - Explain the process of DNA replication with the help of a schematic diagram. *(Delhi 2014)*
  - Explain the process of DNA replication with the help of a replicating fork. *(Delhi 2015C)*