

DNA Replication Modeling activity

Cut out the following pieces and show the DNA replication process in a step by step manner.

DNA Helicase

- DNA helicase unzips the DNA and opens it up



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DNA Polymerase

- DNA Polymerase adds bases to the DNA



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DNA Ligase

- Enzyme that seals the sugar-phosphates together



DNA Ligase

- Enzyme that seals the sugar-phosphates together



RNA Primer

- A short strand of RNA that starts the DNA replication



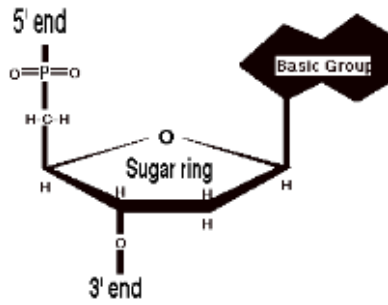
RNA Primer

- A short strand of RNA that starts the DNA replication



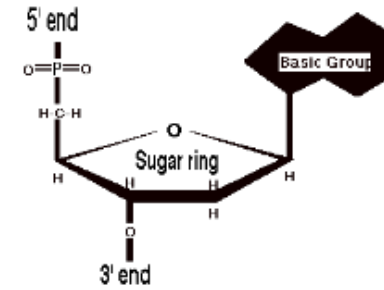
3' end

-3' end of the DNA



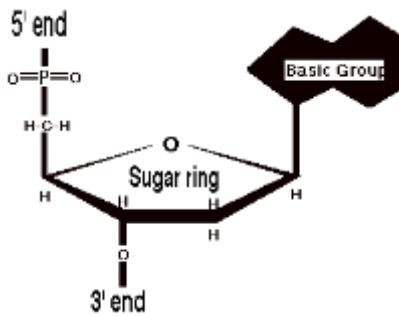
5' end

-5' end of the DNA



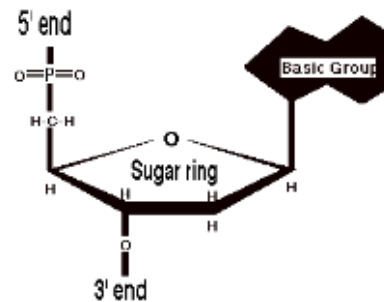
3' end

-3' end of the DNA



5' end

-5' end of the DNA



Leading strand

- The DNA strand that is made in a continuous fashion



Leading strand

- The DNA strand that is made in a continuous fashion



Lagging strand

- The DNA strand that is made in a disrupted fashion



Leading strand

- The DNA strand that is made in a continuous fashion



