

# Dna Structure Study Guide

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## TREVINO JAQUAN

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synthesize a new DNA strand by extending an RNA primer in the 5' to 3' direction. Each parental DNA strand is copied by one DNA polymerase. Remember, both template strands move through the replication factory in the same direction, and DNA polymerase can only synthesize DNA from the 5' end to the 3' end. DNA Structure And Replication Study Guide Flashcards | Quizlet Study Guide: DNA Structure; Study Guide: DNA Replication; Video: DNA, Hot Pockets, & The Longest Word Ever (Crash Course #11) Video: Chromosomes, Chromatids, Chromatin, etc. Module 11: Cell Division and Cell Cycle Cell Division; Study Guide: Mitosis; Video: Mitosis—Splitting Up is Complicated (Crash Course #12)

Study Guide Questions Understand the role of the following enzymes in DNA replication: Helicase, primase, DNA polymerase, ligase Given a strand of DNA and the DIRECTION replication occurs, determine which strand is the leading strand and which is the lagging strand. DNA replication is \_\_\_\_\_?

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DNA polymerase begins to synthesize a new DNA strand by extending an RNA primer in the 5' to 3' direction. Each parental DNA strand is copied by one DNA polymerase. Remember, both template strands move through the replication factory in the same direction, and DNA polymerase can only synthesize DNA from the 5' end to the 3' end.

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DNA is a type of nucleic acid. DNA is a polymer. The monomer of a nucleic acid is a nucleotide. A nucleotide is made of a 5-carbon sugar, a phosphate group, and a nitrogen base. There are two types of ribose sugars: ribose and deoxyribose. Deoxyribose sugar has fewer oxygen atoms than

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