

Modern Biology - (Open + Free)

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Unit 4:: Basis of Molecular Biology

This course is not led by an instructor

DNA and RNA

DNA Replication

DNA Transcription

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Module 11 / Intro to DNA Transcription

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The second phase of the Central Dogma is the process of transcription, which is summarized as **DNA directed RNA synthesis**. This unit will describe the process of DNA transcription and the different categories of products and how each is processed. The discussion will be organized around:

- The organization of the gene expression system into Operons,
- The initiation of transcription at special sequences called Promoters,
- The unidirectional RNA synthesis using RNA polymerase and how it differs from replication, and
- The post-transcriptional processing of the end products of transcription

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