

# Unit 05: Central Dogma of Molecular Biology

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## 1. Unit 05: Central Dogma of Molecular Biology

## 4. Chapter: Unit 05: Central Dogma of Molecular Biology

### 1. Unit 05: Central Dogma of Molecular Biology Questions

#### 4.1.1. A protein binds a DNA sequence several hundred base pairs upstream ...

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A protein binds a DNA sequence several hundred base pairs upstream of a promoter and increases the rate of transcription of the gene, which the promoter controls. This protein is called which of the following?

Please choose only one answer:

- Repressor
- Lactose
- Polymerase
- Enhancer

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#### 4.1.2. Which of the following are the fundamental chronological steps of t...

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Which of the following are the fundamental chronological steps of the Central Dogma of Molecular Biology?

Please choose only one answer:

- DNA is translated to mRNA, which is transcribed to protein.
- DNA is transcribed to mRNA, which is translated to protein.
- DNA is polymerized to protein, which is translated to mRNA.
- DNA is transcribed to mRNA, which is functionalized to protein.

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#### 4.1.3. Which of the following is CORRECTLY matched?

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Which of the following is CORRECTLY matched?

Please choose only one answer:

- Exon and mRNA
- tRNA and nucleus
- Okazaki fragments and nucleus
- Assembly into multimeric protein and Golgi

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#### 4.1.4. Which statement about the role of these RNA polymerases is inaccurate?

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Which statement about the role of these RNA polymerases is inaccurate?

Please choose only one answer:

- mRNA is a RNA copy of a segment of DNA.
- tRNA transfers information from the DNA to the RNA.
- rRNA serves as a decoder during translation.
- tRNA and rRNA interact closely during translation.

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