



The Central Dogma of Biology

Practice Questions

Directions: Choose the letter of the correct answer.

1. This individual was able to take an X-ray image of DNA.
 - a. Frederick Griffith
 - b. Rosalind Franklin
 - c. James Watson
 - d. Francis Crick
2. Small DNA fragments that are linked to the 5' to 3' strand during DNA replication.
 - a. DNA Polymerase
 - b. Okazaki Fragments
 - c. DNA Ligase
 - d. None of the above
3. The codon which initiates the translation process is _____.
 - a. AUG
 - b. UAA
 - c. UGA
 - d. UAG
4. Transcription in prokaryotes starts on which site?
 - a. Terminator
 - b. RNA polymerase
 - c. Initiator
 - d. Promoter
5. What compound is found in RNA that is not found in DNA?
 - a. Thymine
 - b. Uracil
 - c. Adenine
 - d. Guanine
6. What type of RNA adds amino acids to a growing polypeptide chain?
 - a. mRNA
 - b. tRNA
 - c. rRNA
 - d. All of the above



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To God be the glory!



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7. A mutation that leads to a nucleotide sequence to change the resulting amino acid is called?
 - a. Silent Mutation
 - b. Missense Mutation
 - c. Nonsense Mutation
 - d. Frameshift Mutation
8. A mode of reproduction by viruses where it results in the host cell breaking apart.
 - a. Lytic Cycle
 - b. Lysogenic Cycle
 - c. Transduction
 - d. Conjugation
9. Regions in RNA that are removed and therefore, are not expressed.
 - a. Anticodons
 - b. Exons
 - c. Introns
 - d. F Factor
10. The following allows bacteria to take new combinations of genes except?
 - a. Binary Fission
 - b. Transformation
 - c. Transduction
 - d. Conjugation



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