

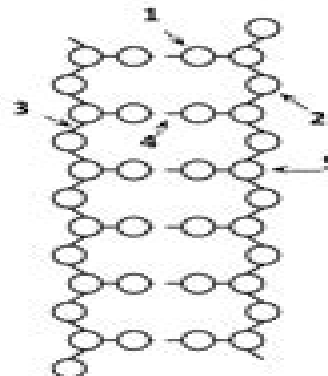
# MOLECULAR BIOLOGY OF THE CELL, SIXTH EDITION BRUCE ALBERTS TEST BANK

## CHAPTER 4: DNA, CHROMOSOMES, AND GENOMES

1 In a double-stranded DNA molecule, one of the chains has the sequence **CCCATTCTA** when read from the 5' to the 3' end. Indicate true (T) and false (F) statements below regarding this chain. Your answer would be a four-letter string composed of letters T and F only, e.g. TTFT.

- ( **T** ) The other chain is heavier, i.e. it has a greater mass.
- ( **T** ) There are no C residues in the other chain.
- ( **F** ) The 5'-terminal residue of the other chain is G.
- ( **F** ) The other chain is pyrimidine-rich.

2 Indicate which numbered feature (1 to 5) in the schematic drawing below of the DNA double helix corresponds to each of the following. Your answer would be a five-digit number composed of digits 1 to 5 only, e.g. 52431.



- ( **4** ) Hydrogen-bonding
- ( **3** ) Covalent linkage
- ( **2** ) Phosphate group
- ( **1** ) Nitrogen-containing base
- ( **5** ) Deoxyribose sugar

# Genetic Test Bank Questions And Answers

**AW Chickering**



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exercises to illustrate chapter content The Cutting Edge highlights significant issues and new approaches to community oriented nursing practice Practice Application provides case studies with critical thinking questions Separate chapters on community health initiatives thoroughly describe different approaches to promoting health among populations Appendixes offer additional resources and key information such as screening and assessment tools and clinical practice guidelines Linking Content to Practice boxes provide real life applications for chapter content NEW Healthy People 2020 feature boxes highlight the goals and objectives for promoting health and wellness over the next decade NEW The Nurse in Forensics chapter focuses on the unique role of forensic nurses in public health and safety interpersonal violence mass violence and disasters NEW Genomics in Public Health Nursing chapter includes a history of genetics and genomics and their impact on public community health nursing care

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