

13 RNA and Protein Synthesis

Chapter Test A

Multiple Choice

Write the letter that best answers the question or completes the statement on the line provided.

- _____ 1. Which of the following are found in both DNA and RNA?
- a. ribose, phosphate groups, and adenine
 - b. deoxyribose, phosphate groups, and guanine
 - c. phosphate groups, guanine, and cytosine
 - d. phosphate groups, guanine, and thymine



Figure 13-1

- _____ 2. Which nucleotide in Figure 13-1 indicates the nucleic acid above is RNA?
- a. uracil
 - b. guanine
 - c. cytosine
 - d. adenine
- _____ 3. What is produced during transcription?
- a. RNA molecules
 - b. DNA molecules
 - c. RNA polymerase
 - d. proteins
- _____ 4. During eukaryotic transcription, the molecule that is formed is
- a. complementary to both strands of DNA.
 - b. identical to an entire single strand of DNA.
 - c. double-stranded and inside the nucleus.
 - d. complementary to part of one strand of DNA.
- _____ 5. There are 64 codons and 20 amino acids. Which of the following is true?
- a. Several different codons can specify the same amino acid.
 - b. Each codon specifies a different amino acid.
 - c. Some amino acids have no link to a codon.
 - d. Each amino acid is specified by only one codon.
- _____ 6. A promoter is a
- a. binding site for DNA polymerase.
 - b. binding site for RNA polymerase.
 - c. start signal for replication.
 - d. stop signal for transcription.
- _____ 7. During translation, the type of amino acid that is added to the growing polypeptide depends on the
- a. codon on the mRNA and the anticodon on the rRNA.
 - b. anticodon on the mRNA and the anticodon on the tRNA.
 - c. anticodon on the rRNA and the codon on the mRNA.
 - d. codon on the mRNA and the anticodon on the tRNA.

Rna And Protein Synthesis Chapter Test A

Kevin T. Patton, Gary A. Thibodeau



Rna And Protein Synthesis Chapter Test A:

Structure & Function of the Body - E-Book Kevin T. Patton, Gary A. Thibodeau, 2019-09-28 Get a solid understanding of the human body Using simple conversational language and vivid animations and illustrations Structure Function of the Body 16th Edition introduces the normal structure and function of the human body and what the body does to maintain homeostasis To help make difficult A P concepts easy to understand this new edition features thoroughly revised content and review questions which reflect the most current information available and a unique 22 page semi transparent insert of the human body Plus Connect It boxes throughout directly correlate to online content giving you additional clinical and scientific insights essential to patient care 22 page Clear View of the Human Body is a unique full color semi transparent insert depicting the human body male and female in layers Conversational and clear writing style makes content easy to read and understand Full color design contains more than 400 drawings and photos Updated study tips sections at the beginning of each chapter help break down difficult topics and guide you on how to best use book features to their advantage Questions for student review are found throughout the chapters and cover critical thinking open ended fill in the blank matching multiple choice and other question formats Special boxes such as Health and Well Being boxes Clinical Application boxes Research and Trends boxes and more help you apply what you have learned to your future career Language of Science and Medicine section in each chapter includes key terms word parts and pronunciations to place a greater focus on medical terminology Resources on the Evolve companion website include Animation Direct audio summaries audio glossary a new online coloring book review questions and FAQs NEW Thoroughly revised chapters illustrations and review questions reflect the most current information available NEW Connect It boxes refer you to online content providing additional clinical and scientific insights NEW A P contributors join Dr Patton to enhance the content and bring additional perspectives to the book

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Resource 10 How Proteins/Made Biology Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2004 **The Human Body in Health & Disease - E-Book** Kevin T. Patton, Frank B. Bell, Terry Thompson, Peggie L.

Williamson,2023-01-03 Completely revised and updated The Human Body in Health Disease 8th Edition makes it easier to understand how the body works both in typical conditions and when things change Its easy to read writing style more than 500 full color illustrations and unique Clear View of the Human Body transparencies keep you focused on the principles of anatomy physiology and pathology Key features are Connect It with bonus online content concept maps with flow charts to simplify complex topics and chapter objectives and active learning sections From noted educator Kevin Patton this book presents A P in a way that lets you know and understand what is important More than 500 full color photographs and drawings illustrate the most current scientific knowledge and bring difficult concepts to life The beautifully rendered illustrations are unified by a consistent color key and represent a diversity of human identity A conversational writing style is paired with chunked content making it easy to read and comprehend UNIQUE Creative page design uses color backgrounds to organize information in a more inviting accessible and motivating way to enhance learning UNIQUE The full color semi transparent Clear View of the Human Body permits the on demand virtual dissection of typical male and female human bodies along several body planes This 22 page insert contains a series of transparencies that allows you to peel back the layers of the body anterior to posterior and posterior to anterior Language of Science Language of Medicine word lists at the beginning of chapters present key terms pronunciations and word part translations to help you become familiar with new and complex terminology Animation Direct feature throughout the text guides you to state of the art animations on the companion Evolve website to provide dynamic visual explanations of key concepts Active Concept Maps offer animated narrated walk throughs of concept maps to clarify the text narrative and provide you with clear examples of how to build your own concept maps **Introduction to Genetics** Sandra Pennington,2009-07-17 The 11th Hour Series of revision

guides are designed for quick reference The organization of these books actively involves students in the learning process and reinforces concepts At the end of each chapter there is a test including multiple choice questions true false questions and short answer questions and every answer involves an explanation Each book contains icons in the text indicating additional support on a dedicated web page Students having difficulties with their courses will find this an excellent way to raise their grades Clinical correlations or everyday applications include examples from the real world to help students understand key concepts more readily Dedicated web page there 24 hours a day will give extra help tips warnings of trouble

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Softcover Kevin T. Patton, Gary A. Thibodeau, 2013-01-01 Rev ed of The human body in health disease Gary A Thibodeau Kevin T Patton 5th ed c2010 *Modules* McDougal Littell Incorporated, 2005 **McGraw-Hill's New MCAT** George J. Hademenos, 2007 This title is more focused and student friendly than competing MCAT guides It has more special features including a companion CD with two full length timed practice MCATs and free website support There is more bang for the buck this is a complete all in one preparation package for the 60 000 students who take the MCAT every year

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Thomas Dean Pollard, William C. Earnshaw, 2004 This critically acclaimed text takes a modern and completely unique approach to the study of cell biology Its overriding theme is that cellular structure function and dysfunction ultimately result from specific macromolecular interactions The text takes readers from an explanation of the hardware of molecules and cells to an understanding of how these structures function in the organism in both healthy and diseased states An exquisite art program allows readers to better visualize the molecular structures

Biology Eric Strauss, Marilyn Lisowski, 2000

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