1 3 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.

c. cytosine

b. guanine

- d. adenine
- 3. What is produced during transcription?
 - a. RNA molecules

c. RNA polymerase

b. DNA molecules

- 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.
 - 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.
 - e. start signal for replication.
 - 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.

Dna And Rna Lab 24 Answer Key

S Ashworth

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between host and microbial symbionts will be obtained and important areas of future research will be identified This research topic includes original research review and opinion articles that bring together the knowledge from different aspects of biology and highlight advances in our understanding of the diversity and function of the microbiomes on marine AP Biology For Dummies Peter J. Mikulecky, Michelle Rose Gilman, Brian Peterson, 2008-06-02 Relax The sessile hosts fact that you re even considering taking the AP Biology exam means you re smart hard working and ambitious All you need is to get up to speed on the exam's topics and themes and take a couple of practice tests to get comfortable with its question formats and time limits That's where AP Biology For Dummies comes in This user friendly and completely reliable guide helps you get the most out of any AP biology class and reviews all of the topics emphasized on the test It also provides two full length practice exams complete with detailed answer explanations and scoring guides. This powerful prep guide helps you practice and perfect all of the skills you need to get your best possible score And as a special bonus you ll also get a handy primer to help you prepare for the test taking experience Discover how to Figure out what the guestions are actually asking Get a firm grip on all exam topics from molecules and cells to ecology and genetics Boost your knowledge of organisms and populations Become equally comfortable with large concepts and nitty gritty details Maximize your score on multiple choice questions Craft clever responses to free essay questions Identify your strengths and weaknesses Use practice tests to adjust you exam taking strategy Supplemented with handy lists of test taking tips must know terminology and more AP Biology For Dummies helps you make exam day a very good day indeed ISI Atlas of Science Institute for Scientific Information, 1984 BioScan, 2009 Genetic Engineering & Biotechnology News ,2009 Nucleic Acids Abstracts ,1996 **Nuclear** Science Abstracts ,1971 Biologija, 1998 **Biochemistry Abstracts** ,1984 Toxicology Abstracts, 1986 Includes annual author and subject indexes Energy Research Abstracts ,1984 New Scientist and Science Journal ,2009 New Scientist, 2009 Microbiology Abstracts, 1990-05 Amino-acid, Peptide & Protein Abstracts, 1978 The

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