

# Chapter 13 Rna And Protein Synthesis Answers

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### Chapter 13 Rna And Protein

#### **RNA and Protein Synthesis**

131 RNA Lesson Objectives Contrast RNA and DNA Explain the process of transcription Lesson Summary The Role of RNA RNA (ribonucleic acid) is a nucleic acid like DNA It consists of a long chain of nucleotides The RNA base sequence directs the production of proteins Ultimately, cell proteins result in phenotypic traits

#### **CHAPTER 13 RNA and Protein Synthesis - Capital High School**

CHAPTER 13 RNA and Protein Synthesis RNA, and Protein 8 Define gene expression, and explain why the Genetic Code can be described as “near-universal” Chapter 13 Extra Credit On a separate (clean -no rough edges) piece of paper answer the following questions:

#### **Ch. 13.1- RNA**

Chapter 13: RNA and Protein Synthesis Period: \_\_\_\_ Date: \_\_\_\_ Read Chapter 13 As you do so, take notes on the following topics on a separate piece of notebook paper You will have to study these for tests, so do not just “answer” the topic questions below- write out the info in an outline format that contains the detail needed to

#### **Chapter 13: DNA, RNA, and Proteins**

Chapter 13: DNA, RNA, and Proteins Lecture Notes 131 THE STRUCTURE OF DNA 133 RNA AND GENE EXPRESSION EQ: WHAT IS THE PURPOSE OF TRANSCRIPTION? protein •Ribosomal RNA (rRNA)- is the type of RNA that associates with proteins to form ribosomes in the cytoplasm

#### **Chapter 13: RNA & Protein Synthesis - Faribault**

Protein play key role in producing org’s traits •Microscopic tools designed to build/operate a component of living cell Molecular bio estto explain living org at molecular level •Uses DNA/RNA Central Dogma: info is transferred from DNA to RNA to protein • Gene expression: DNA, RNA, & protein all invlived in

**CHAPTER 13 Connect to the Big Idea RNA and Protein Synthesis**

LESSON 131 362 Chapter 13 • Lesson 1 Getting Started Objectives 1311 Contrast RNA and DNA 1312 Explain the process of transcription Student Resources Study Workbooks A and B, 131 Worksheets Spanish Study Workbook, 131 Worksheets Lesson Overview • Lesson Notes • Activities: Visual Analogy, InterActive Art,

**Chapter 13**

Chapter 13: RNA and Protein Synthesis Dr Bertolotti Essential Question How does information flow from •brings amino acids to ribosomes for protein synthesis -3 Ribosomal RNA (rRNA) • Ribosomes are made of rRNA and protein Types of RNA How does RNA ...

**Name Class Date 13 RNA and Protein Synthesis Chapter Test A**

13 Name Class Date 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 ...

**Chapter 13 Lecture Notes: DNA Function**

Chapter 13 Lecture Notes: DNA Function I Transcription (General info) A Transcription is the synthesis of RNA using DNA as a template B Early evidence suggesting an RNA intermediate between DNA and proteins 1 DNA was in the nucleus but proteins were made in the cytoplasm 2 RNA synthesis in the nucleus was exported to the cytoplasm

**Chapter 13**

131 GENERAL CHARACTERISTICS OF VIRUSES Viral genome either DNA or RNA, never both • Useful for classification (ie, DNA or RNA viruses) • Genome linear or circular • Double- or single-stranded • Affects replication strategy Viruses have protein components for attachment • Phages have tail fibers • Many animal viruses have spikes • Allow virion to attach to specific receptor sites

**RNA and Protein Synthesis Quiz**

13)Third amino acid: \_\_\_\_ Multiple Choice 14) Which of the following is attached to the transfer RNA (tRNA)? A DNA B ribosome C amino acid D nucleic acid 15) Which of the following is not part of protein synthesis? A replication B translation C transcription

**Chapter 13 RNA and Protein Synthesis Study Guide**

Chapter 13 - RNA and Protein Synthesis Study Guide Section 1 - RNA RNA Structure 1 What is RNA? RiboNucleic Acid - single stranded nucleic acid that work together with DNA to make proteins 2 What are the monomers of RNA? Nucleotides - phosphate, ribose, and nitrogen base

**Chapter 13 Section 3: RNA and Gene Expression**

Chapter 13 Section 3: RNA and Gene Expression Key Vocabulary Terms RNA Ribonucleic acid, plays a role in protein synthesis Gene Expression for a protein product mRNA is transcribed from a DNA template, and carries coding information to the sites of protein synthesis: the ribosome's

**Chapter 13-14 DNA and RNA review**

Radioactive viral protein had been injected into the host Radioactive DNA had been injected into the host None of the radioactive material was transferred Both proteins and DNA had been transferred Bacteria Virus Lipidlayer Stem cell Protein and lipid bilayer DNA/RNA and protein coat Carbohydrate and RNA/DNA Q22:Hersey and Chase discovered

**Thomas R. Cech and Barbara L. Golden Howard ... - RNA World**

The RNA World, Second Edition© 1999 Cold Spring Harbor Laboratory Press 0-87969-561-7/99 321 13 Building a Catalytic Active Site Using Only RNA Thomas R ...

**C2005/F2401 '10 -- Lecture # 13 -- RNA & Protein Synthesis**

C2005/F2401 '10 -- Lecture # 13 -- RNA & Protein Synthesis 12B -- from last lecture -- DNA synthesis vs RNA synthesis Note: For this lecture, fig and table numbers in the 6th & 7th ed of Becker are all the same In the 5th ed, translation is in ch 20 instead of 22, but the fig and table #'s are the same

**RNA - Dr Collings' Science Classes**

Ribosomes and protein synthesis Section 132 The genetic code •Step one - copy DNA to produce RNA •RNA contains instructions on how to make proteins •Information is transferred from DNA to RNA to protein •There are however many exceptions - eg viruses transfer information in the opposite direction, from RNA to DNA

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**CHAPTER 10DNA, RNA, AND PROTEIN SYNTHESIS**

CHAPTER 10DNA, RNA, AND PROTEIN SYNTHESIS MULTIPLE CHOICE 1 Each organism has a unique combination of characteristics encoded in molecules of 13 Chargaffs rules, the base-pairing rules, state that in DNA a the amount of adenine equals the amount of thymine a cells missing protein and RNA were able to transform R cells into S cells