

Biology Chapter 12 Dna Rna Test

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Biology Chapter 12 Dna Rna

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DNA replicates directionally; in 2 separate directions- bidirectional One side- the leading strand- grows continually The other side- the lagging strand- gets replicated discontinuously in Okazaki fragments RNA primer- made of RNA nucleotides- they start the process, are eventually removed The RNA primer stops growth of lagging strand

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1. RNA polymerase splits a DNA double helix at a point called a promoter (AUG) 2. RNA polymerase uses one strand as a template to make a complementary mRNA strand

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Sugar: the sugar in RNA is ribose and the sugar in DNA is deoxyribose, containing one less sugar. Structure: RNA is single stranded and DNA is a double-helix. Nitrogenous Base: RNA contains uracil in place of thymine found in DNA.

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8. DNA ____ results in 2 DNA molecules, each consisting of one new strand & one original strand. 9. Be sure that you understand base pairing and can give the sequence of a complementary DNA strand. 10. Where is DNA located in a eukaryotic cell? 11. RNA contains the sugar _____. 12. List 3 differences between RNA & DNA. 13.

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Biology Study Guide CH 12 Part I DNA-RNA

process in which part several segments of DNA serve as templates to produce complementary RNA molecules; process requires an enzyme called RNA polymerase RNA polymerase enzyme that binds to DNA during transcription and separates DNA strands, then uses one DNA strand as a template from which to assemble nucleotides into a complementary strand of RNA

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Chapter 12 DNA and RNA are analogous to the rungs of a twisted ladder, while the sugar-phosphate backbones of the double helix are analogous to the sides of a twisted ladder. 10. Approximately 28% of the bases would be thymine. and frameshift mutations are both point mutations, because they occur at a single point in the DNA sequence.

Chapter 12 DNA and RNA ANSWER KEY - lowellbiology ...

Prentice Hall Biology 1 — Chapter 12 Review for test — DNA & RNA. Terms : Hide Images. 703514087: transformation: process in which one strain of bacteria changes into another one: 703514088: bacteriophage: virus that infects bacteria: 703514089: histone: ... Contrast DNA and RNA.

Biology 1 - Chp 12 - Review - DNA & RNA Flashcards ...

DNA and RNA Chapter 12-1. GENETIC MATERIAL In the middle of the 1900's scientists were asking questions ... DNA RNA polymerase. Transcription . Adenine (DNA and RNA) Cytosine (DNA and RNA) ... The m-RNA Code. Section 12-3. 64 possible codons Some amino acids have more than one codon. START= _____

DNA and RNA Chapter 12-1 - UrbanDine

TranscriptBiology 1 Notes Chapter 12 - DNA and RNA Prentice Hall pages. RNA & Protein SynthesisRiboseRNAHydrogen bondsUracilAdenineMrs. StewartBiology IGenes A gene is a section of the DNA sequence that codes for a protein. Each unique gene has a unique sequence of bases. This unique sequence of bases will code for the production of a unique protein. It is these proteins and combination of proteins that determine the phenotypes for our traits.

Biology 1 Notes Chapter 12 - DNA and RNA Prentice Hall ...

This is the first part of Ch. 12 from the Prentice Hall Biology textbook. This video covers 12-1 and 12-2. Sections 12-3, 12-4, and 12-5 will be covered in p...

Ch. 12 DNA and RNA Part 1

Definitions: Heredity is the passing on of characteristics/traits from one generation to the next A gene is a short region of a chromosome that contains a code for the production of a protein Gene expression is the process by which the code in DNA is used to make a protein Genetic Code The code for a particular...

Chapter 14: DNA and RNA | Leaving Cert Biology

Chapter 12, DNA - Assessment - 13.1 RNA - Understand Key Concepts/Think Critically - Page 386: 7 Answer If the introns were not excised and, instead, were read as exons, the resulting protein would not be the correct protein coded for by the mRNA had the introns been excised.

Biology 2010 Student Edition Chapter 12, DNA - Assessment ...

Chapter 12 Study Guide Answer Key.notebook March 17, 2016 23. Name and describe the functions of the 3 types of RNA. mRNA - messenger RNA

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rRNA - ribosomal RNA tRNA - transfer RNA the complementary strand to DNA. Carries the "recipe" to the ribosome forms the structure of the ribosome transports amino acids to the ribosome

Chapter 12 Dna And Rna Chapter Test B Answer Key | Most ...

The three types of RNA are mRNA (messenger RNA), tRNA (transfer RNA), and rRNA (ribosomal RNA). Messenger RNA is transcribed from DNA in the nucleus and carries the code to make proteins. Transfer RNA transports amino acids to the ribosomes to add to the growing polypeptide chain. Ribosomal RNA makes up a portion of ribosomes.

Biology 2010 Student Edition Chapter 12, DNA - Assessment ...

3/15/10 Period 5 Biology Chapter 12 Vocabulary Section 1: 1. Transformation - process in which one strain of bacteria is changed by a gene or genes from another strain of bacteria 2. Nucleotide - monomer of nucleic acids made up of a 5-carbon sugar, a phosphate group, and a nitrogenous base 3. Bacteriophage - virus that infect bacteria 4.

Chapter 12 Vocabulary Review Biology Answer Key

Ch. 12 DNA and RNA Vocab. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. Olguini. Terms in this set (12)
Transformation. Process in which one strain of bacteria is changed by a gene or genes from another strain of bacteria. Bacteriophage "Bacteria eater" A type of virus that infects and kills bacteria.

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