

AP Bio Chapter 16-20 Practice test

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. In his transformation experiments, what did Griffith observe?
- Mutant mice were resistant to bacterial infections.
 - Mixing a heat-killed pathogenic strain of bacteria with a living nonpathogenic strain can convert some of the living cells into the pathogenic form.
 - Mixing a heat-killed nonpathogenic strain of bacteria with a living pathogenic strain makes the pathogenic strain nonpathogenic.
 - Infecting mice with nonpathogenic strains of bacteria makes them resistant to pathogenic strains.
 - Mice infected with a pathogenic strain of bacteria can spread the infection to other mice.
- _____ 2. What does transformation involve in bacteria?
- the creation of a strand of DNA from an RNA molecule
 - the creation of a strand of RNA from a DNA molecule
 - the infection of cells by a phage DNA molecule
 - the type of semiconservative replication shown by DNA
 - assimilation of external DNA into a cell
- _____ 3. The following scientists made significant contributions to our understanding of the structure and function of DNA. Place the scientists' names in the correct chronological order, starting with the first scientist(s) to make a contribution.
- Avery, McCarty, and MacLeod
 - Griffith
 - Hershey and Chase
 - Meselson and Stahl
 - Watson and Crick
- V, IV, II, I, III
 - II, I, III, V, IV
 - I, II, III, V, IV
 - I, II, V, IV, III
 - II, III, IV, V, I
- _____ 4. Cytosine makes up 38% of the nucleotides in a sample of DNA from an organism. Approximately what percentage of the nucleotides in this sample will be thymine?
- 12
 - 24
 - 31
 - 38
 - It cannot be determined from the information provided.
- _____ 5. Chargaff's analysis of the relative base composition of DNA was significant because he was able to show that

Chapter 20 Ap Biology

Silvano Arieti



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AP Biology For Dummies Peter J. Mikulecky, Michelle Rose Gilman, Brian Peterson, 2008-06-02 Relax The 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 questions 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

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Biology Peter H. Raven, 1999 2000 2005 State Textbook Adoption Rowan Salisbury

Biology: How Life Works (Volume 1) James Morris, 2013-01-04 Ordinarily textbooks are developed by first writing chapters then making decisions about art and images and finally once the book is complete assembling a test bank and ancillary media This process dramatically limits the integration across resources and reduces art media and assessments to ancillary material rather than essential resources for student learning Biology How Life Works is the first project to develop three pillars the text the visual program and the assessment at the same time All three pillars were developed in

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Short Protocols in Molecular Biology Frederick M. Ausubel,2002 Recently expanded to 2 volumes Short Protocols in Molecular Biology Fifth Edition provides condensed descriptions of more than 700 methods compiled from Current Protocols in Molecular Biology Includes new chapters on chromatin assembly and analysis nucleic acid arrays generation and use of combinatorial libraries discovery and analysis of differentially expressed genes in single cells and cell populations The book is specifically designed to provide quick access to step by step instructions for the essential methods used in every major area of molecular biological research Short Protocols in Molecular Biology Fifth Edition is an authoritative and indispensable guide for all life scientists researchers and students at the graduate and advanced undergraduate level Expanded to 2 volumes

Human Biology Daniel D. Chiras,1999 With DaVinci s ubiquitous Vitruvian Man as a text icon even subjected to X ray Chiras U of Colorado U of Denver introduces students to the basics of life in the balance from molecules to humankind in 24 chapters Updates to this edition no dates are given for previous ones include rele *Science* ,1930

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American Handbook of Psychiatry ,1965

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Federal Register ,1976-12

The Popular Science News and Boston Journal of Chemistry ,1892

The Naturalists' Leisure Hour and Monthly Bulletin ,1892

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