

Chapter 1 : READ: CHAPTER 8 AN INTRODUCTION TO METABOLISM ANSWERS TO LECTURE GUID

Learn microbiology chapter 8 microbial metabolism with free interactive flashcards. Choose from different sets of microbiology chapter 8 microbial metabolism flashcards on Quizlet.

Lectures – Excellent attendance is essential to do well in this class. A roll sheet will be passed out at the beginning of each lab session. Students will gain an understanding of microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, interactions and impact of microorganisms in the environment, microbial evolution, and microbial diversity. Students will be informally assessed during question and review sessions. Students will be formally assessed using weekly quizzes, unit exams, and group projects. Students will be able to demonstrate the ability to use a bright field light microscope, properly prepare slides, properly use aseptic techniques, use appropriate microbiological media and test systems, estimate the number of microbes in a sample, and use standard microbiology laboratory equipment correctly. Regular observation and critique of each student as they perform laboratory techniques and experiments will be used to evaluate student progress. Students will demonstrate an increased skill level in the following areas: These skills will be assessed by evaluating the following: Students will demonstrate the ability to explain and practice safe microbiological procedures, protective procedures, and emergency procedures. Students must receive training during their first laboratory regarding the safety procedures and policies in the lab. Each student will sign and date a written copy of these procedures and policies. This course also fulfills the criteria established for general education core courses at the College of Southern Idaho CSI as well as the instructional goals established by the Life Science department at CSI. General education criteria can be found in the CSI catalog. Lecture exams will be composed of a mixture of the following: If a unit exam is missed due to extenuating circumstances the instructor may allow a make-up exam. All unit exams must be taken on campus during the scheduled exam period. This includes all students enrolled at the Burley, Hailey, and Gooding outreach centers. Any assignments not turned in on time will receive a grade of zero. One weekly quiz score will be dropped. There will be no make-ups for missed quizzes. Any cheating offenses will be brought to the attention of the department chair and the Academic Vice-President. Lab Reports Lab reports must typed. Reports not typed will not be accepted. See the lab report handout for guidelines to writing your reports. Weekly lab reports will be composed of the following: Data will be collected in your laboratory notebooks. Worksheets yellow of data regarding your lab report will be stapled to the back of the typed report and be referred to as an appendix. Unknowns Unknowns will be performed individually. Two unknowns will be assigned. Each unknown will be composed of two organisms in a mixed broth culture. The organisms will be isolated and cultured to determine preliminary information about each of the organisms. Once the correct sections have been identified the instructor will provide the student with the computer unknown number to continue the identification process in the computer laboratory using the Identibacter interactus unknown software program. The organisms will then be isolated to the species level Group Project The group project will consist of an assigned topic for each group. Groups will be composed of 2 people. Each group will complete a literature review of their topic. The literature review See Clinical Microbiological Reviews for format will be presented in poster format during a normally scheduled laboratory session. Posters will be formatted as described by the American Society for Microbiology. Posters must be professional in appearance and scholarly in content. Tentative Lecture Schedule Fall Lecture.

DOWNLOAD PDF CHAPTER 8 MICROBIAL METABOLISM QUESTIONS

Chapter 2 : Microbial Metabolism Practice Test Questions

Start studying Chapter 8 Microbial Metabolism. Learn vocabulary, terms, and more with flashcards, games, and other study tools.

Operon What does an operon consist of? It consists of a regulatory gene, promoter, structural genes and a repressor. Promoter, Operator, Structural parts What happens in negative feedback? Too much product serves as a repressor and turns off the gene. True What are mutations? They permanently generate mutations. Nitrous Acid, a chemical mutagen that change the adenine permanently. Deletion or insertion result in frame shift mutation; it is harmful because the entire reading frame is changed. Ames test; it is a quick and simple way to determine if a chemical causes mutagens. No growth- no mutagen, Growth-mutagen. What are they made of? Nucleotides; nitrogenous base A,T,C,G , sugar deoxyribose , and phosphate. A strand of alternating sugars and phosphates. The nitrogenous bases attach at the sugar site. It occurs during interphase. Double strand unwinds, and is unzipped by an enzyme DNA polymerase What is step 2 of replication? Loose nucleotides join up with their matching base pairs on both separated strands. Enzymes called DNA polymerases attach the loose nucleotides. Two chains are formed, each with one old strand and one new strand semiconservative. Assemble small proteins parts from the protein you eat according to your DNA. They are located on the surface of the rough ER or free floating. Used for protein synthesis. Occurs in the nucleus. RNA contains Uracil instead of Thymine. Translation-translating the RNA code into building proteins from amino acids. The building blocks of protein molecules. We get them from digesting the protein meat,etc we eat. A set of 3 nitrogen bases on the mRNA that codes for creation of one amino acid. GCA codes for the amino acid alanine. During the construction of a protein, tRNA transfers each amino acid to the ribosomes as it is specified by coded messages in mRNA. The amino acid is connected to the growing polypeptide protein chain.

Chapter 3 : Microbial Metabolism - chapter 8 | CourseNotes

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Chapter 4 : Prescott's Microbiology

The Quiz is a part of the class today on Microbial Metabolism. The Quiz is a part of the class today on Microbial Metabolism.

Chapter 5 : Tortora, Funke & Case, Microbiology: An Introduction, 12th Edition | Pearson

Chapter 8 Microbial Metabolism; Vane p. 88 cards. Metabolism. physical and chemical processes that occur in a cell Recent Class Questions. for the next.

Chapter 6 : Quiz: Microbiology Lecture- Chapter 5 (Microbial Metabolism) | Easy Notecards

Test your knowledge with the Microbiology Lecture- Chapter 5 (Microbial Metabolism) quiz.

Chapter 7 : Chapter 5 Microbial Metabolism My Nursing Test Banks - Test Bank Go!-all FREE!!

Chapter 08 Microbial Metabolism: The Chemical Crossroads of Life Multiple Choice Questions 1. The term used to describe all of the chemical reactions within a cell is: A. catabolism.

Chapter 8 : Connect Online Access for Microbiology

DOWNLOAD PDF CHAPTER 8 MICROBIAL METABOLISM QUESTIONS

Microbiology: An Introduction, 12e (Tortora). Chapter 5 Microbial Metabolism. Multiple-Choice Questions. 1) Which of the following compounds is NOT an enzyme? A) dehydrogenase.

Chapter 9 : Chapter 5 Microbial Metabolism My Nursing Test Banks - Test Bank Go!-all FREE!!

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