

Unit 3: Cell Biology Study Guide

Vocabulary

In your own words, write a definition for each of the following terms in the space provided.

1. **cell**: membrane-covered structure containing all life materials and performing all life processes; the basic unit of living things
2. **unicellular**: an organism made of a single cell
3. **multicellular**: an organism made of many cells
4. **cellulose**: the indigestible carbohydrate that makes up the plant cell wall
5. **cell membrane**: a structure that keeps the cytoplasm inside, allows nutrients in and keeps waste products out
6. **organelle**: a structure within a cell sometimes surrounded by a membrane
7. **cytoplasm**: cellular fluid surrounding a cell's organelles
8. **prokaryote(prokaryotic cell)**: a cell that does not have a nucleus or other membrane-covered organelles (bacterium)
9. **eukaryote (eukaryotic cell)**: a cell that contains a central nucleus and a complicated internal structure
10. **nucleus**: the membrane-covered organelle found in eukaryotic cells that contains DNA and serves as the control center of the cell
11. **cell wall**: a structure that surrounds the cell membrane of plant cells that provides strength and support to the cell
12. **mitochondria(mitochondrion)**: cell organelles surrounded by two membranes that break down food molecules
13. **chloroplast**: an organelle found in plants and algae where photosynthesis occurs
14. **hereditary**: having to do with the passing of traits from parents to offspring
15. **DNA**: Deoxyribonucleic acid, the hereditary material that controls all the activities of the cell; it contains all the information needed to make new cells and proteins
16. **photosynthesis**: the process by which plants capture light energy from the sun and covert it into sugar; the process also produces oxygen from water
17. **microscopic**: very small, needing a microscope to view
18. **chlorophyll**: a green pigment in chloroplasts that absorbs light energy for photosynthesis

Biology Unit 3 Study Guide Answers

Tobias Bleicker



Biology Unit 3 Study Guide Answers:

Cambridge Checkpoints VCE Biology Unit 3 2012 Harry Leather, Jan Leather, 2011 Contains removable study notes for revision Core facts skills and extended response tasks Online quizzes Questions from past examinations **Study Guide for Understanding Pathophysiology - E-Book** Sue E. Huether, Kathryn L. McCance, 2019-12-28 Reinforce your understanding of difficult pathophysiology concepts Corresponding to the chapters from Huether's Understanding Pathophysiology 7th Edition this study guide provides a wide variety of activities and thousands of interactive questions to help you review and master pathophysiology content This practical workbook guides readers through chapters on normal anatomy and physiology to chapters on body systems and disease Case scenarios and practice exams help you develop the clinical thinking skills needed to succeed in clinical practice More than 30 case scenarios provide real world examples of how pathophysiology is used in the clinical setting More than 2 500 interactive engaging activities and questions are provided in a variety of formats Nearly 70 images from the textbook are used in Explain the Pictures and Draw Your Answers questions to better engage visual learners Teach These People about Pathophysiology poses questions directly from the patient's point of view Corresponding chapters make it easy to go back and forth between the workbook and the Understanding Pathophysiology textbook Answer key allows you to check answers and evaluate your progress NEW UPDATED content reflects the updates to the main text along with changes to the chapter structure **VCE Biology** Robert Russell, 2006 CCEA A2 Biology Unit 1: Physiology and Ecosystems Student Unit Guide John Campton, 2010-08-27 Student Unit Guides are perfect for revision Each guide is written by an examiner and explains the unit requirements summarises the relevant unit content and includes a series of specimen questions and answers There are three sections to each guide Introduction includes advice on how to use the guide an explanation of the skills being tested by the assessment objectives an outline of the unit or module and depending on the unit suggestions for how to revise effectively and prepare for the examination questions Content Guidance provides an examiner's overview of the module's key terms and concepts and identifies opportunities to exhibit the skills required by the unit It is designed to help students to structure their revision and make them aware of the concepts they need to understand the exam and how they might analyse and evaluate topics Question and Answers sample questions and with graded answers which have been carefully written to reflect the style of the unit All responses are accompanied by commentaries which highlight their respective strengths and weaknesses giving students an insight into the mind of the examiner **Biology with Human Biology** John Addis, 2001 Make the Grade in AS Biology with Human Biology has been specially written to give students comprehensive exam support for senior secondary level Biology and Human Biology It is a comprehensive revision guide for students that includes a bank of activities and questions for use throughout the course with exam questions including synoptic questions to help students fully prepare for examinations *Cambridge Checkpoints VCE Biology Units 1 and 2 Third Edition* Harry Leather, Jan Leather, 2016-02-29 **CCEA AS Biology Student Unit Guide: Unit**

2 Organisms and Biodiversity John Campton, 2010-03-26 Student Unit Guides are perfect for revision Each guide is written by an examiner and explains the unit requirements summarises the relevant unit content and includes a series of specimen questions and answers There are three sections to each guide Introduction includes advice on how to use the guide an explanation of the skills being tested by the assessment objectives an outline of the unit or module and depending on the unit suggestions for how to revise effectively and prepare for the examination questions Content Guidance provides an examiner s overview of the module s key terms and concepts and identifies opportunities to exhibit the skills required by the unit It is designed to help students to structure their revision and make them aware of the concepts they need to understand the exam and how they might analyse and evaluate topics Question and Answers sample questions and with graded answers which have been carefully written to reflect the style of the unit All responses are accompanied by commentaries which highlight their respective strengths and weaknesses giving students an insight into the mind of the examiner

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