

Name: _____

CELL TRANSPORT REVIEW

CHAPTER 7-3

Match the definition on the left with the term on the right.

1. d release of wastes or cell products from inside to outside a cell
2. e diffusion of water molecules through a selectively permeable membrane
3. f loss of water from a cell resulting in a drop in turgor pressure
4. c continuous movement of particles but no overall change in concentration
5. b movement of particles from an area of higher concentration to one of lower concentration
6. a structure inside protists (paramecium) that collects excess water and squeezes it outside through the membrane

- a. contractile vacuole
- b. diffusion
- c. dynamic equilibrium
- d. exocytosis
- e. osmosis
- f. plasmolysis

In the space at the left, write true if the statement is true. If the statement is false, change the italicized term to make the statement true. Write this answer in the blank provided.

hypotonic

True

Active transport

True

facilitated

diffusion

True

7. A solution in which the concentration of dissolved substances is lower than the concentration inside a cell is *hypertonic*.
8. The internal pressure of a plant cell is called *turgor pressure*.
9. In *passive transport*, the movement of particles across a membrane requires energy.
10. *Endocytosis* is a process by which a cell membrane surrounds and takes in material from the environment.
11. The passive transport of material across a membrane by means of transport proteins is called *activated diffusion*.
12. A membrane that allows only some materials to pass through shows *selective permeability*.

Write the word or phrase that best completes the statement or answers the question.

1. The structure most responsible for maintaining cell homeostasis is the cytoplasm cell wall mitochondria plasma membrane
2. A plasma membrane is made up of a(n) cholesterol layer enzyme layer lipid bilayer protein layer
3. Which of the following is not a form of passive transport? facilitated diffusion diffusion endocytosis osmosis
4. Diffusion continues until equilibrium is reached turgor pressure is reached one side has more
5. If a cell is placed in salt water, water leaves the cell by osmosis diffusion active transport phagocytosis
6. If it is not watered, a tulip plant wilts because it loses turgor pressure increases turgor pressure
7. A cell moves particles from a region of lesser concentration to a region of greater concentration by facilitated diffusion osmosis passive transport active transport

Answer Key Cell In Its Environment

Ruth Bernstein, Stephen Bernstein



Answer Key Cell In Its Environment:

Norman Hall's Asvab Preparation Book Norman Hall, 2015-01-02 Everything you need to know thoroughly covered in one book five ASVAB practice tests answer keys tips to boost scores military enlistment information study aids Master the PCAT Peterson's, 2012-07-15 Peterson's Master the PCAT is an in depth review that offers thorough preparation for the computer based exam After learning about the structure format scoring and score reporting and the subtests and question types you can take a diagnostic test to learn about your strengths and weaknesses The next six parts of the eBook are focused on detailed subject reviews for each subtest verbal ability reading comprehension biology chemistry quantitative ability and writing Each review includes practice questions with detailed answer explanations You can take two practice tests to track your study progress The tests also offer detailed answer explanations to further improve your knowledge and understanding of the tested subjects The eBook concludes with an appendix that provides helpful information on a variety of careers in pharmacy and ten in depth career profiles *Basics of Biology* Chandan Sengupta, This book has been published with all reasonable efforts taken to make the material error free after the consent of the author No part of this book shall be used reproduced in any manner whatsoever without written permission from the author except in the case of brief quotations embodied in critical articles and reviews The Author of this book is solely responsible and liable for its content including but not limited to the views representations descriptions statements information opinions and references The Content of this book shall not constitute or be construed or deemed to reflect the opinion or expression of the Publisher or Editor Neither the Publisher nor Editor endorse or approve the Content of this book or guarantee the reliability accuracy or completeness of the Content published herein and do not make any representations or warranties of any kind express or implied including but not limited to the implied warranties of merchantability fitness for a particular purpose The Publisher and Editor shall not be liable whatsoever for any errors omissions whether such errors or omissions result from negligence accident or any other cause or claims for loss or damages of any kind including without limitation indirect or consequential loss or damage arising out of use inability to use or about the reliability accuracy or sufficiency of the information contained in this book Just the Facts: Life Science, Grades 4 - 6 Steve Rich, 2007-01-01 With a solid foundation of basic science knowledge and a basic understanding of concepts and vocabulary students will be prepared for higher order thinking and inquiry based activities Back cover **Prentice Hall Science Explorer: Teacher's ed**, 2005 **Self-Destruction of Complex Systems** Kirill Postoutenko, 2025-01-27 This book is the first attempt to provide a general theory of self destruction in complex systems applicable to natural social and cultural phenomena The contributors work collaboratively to prove that many of the nondistributed complex systems in nature and society sooner or later experience critical development leading to unintended and irreversible self annihilation The individual chapters also show that the relations of such systems to their own distinctiveness and other systems may result in specific communicative pathologies such as redundancy inflation and noisy

signalling which tend to mitigate or reinforce each other depending on circumstances Finally the volume updates some popular models of systemic self destruction from autoimmunity and self organized criticality to imperial overstretch and discusses some prominent cases from supernova explosions to the civil war following the Russian Revolution of 1917 The interdisciplinary style of narration ensures the accessibility of the materials and theories presented for the specialists and students from different fields As such it will appeal to those interested in complexity studies from the areas of sociology history media and communication studies immunology computer science literary criticism cultural studies political science and international relations

Integrated Science Laboratory Manual Michael J. Padilla, 2000 Includes 74 investigations pre lab discussions and critical thinking questions safety manual and student safety test teaching support

The Lancet, 1880

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The American Biology Teacher ,1994

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