

Name: _____

Date: _____

Period: _____

Study Guide: Cell Structure & Function

Using in your notes, book and flashcards, answer the following questions for next Friday's test on Cell structures, their function and cell transport. Use pages 60-67 in your textbook for reference.



- ☐ 1. What is the main job of a cell? Write this job on your study outline/notecards. **Use your Cell Organelle Guided Notes*
- ☐ 2. Explain the legacy (important contribution) for each of the following scientists: Hooke, Van Leeuwenhoek, Schleiden, Schwann, and Virchow. Be able to recite the three parts of the Cell Theory. ****Use your Cell Theory Guided Notes*
- ☐ 3. For each cell part below, be know its function and a trick to remember its job. **FUNCTION** and a **TRICK** to help you remember what it does. ****Use your cell organelle guided notes & associated HW Sheets w/ diagram*

- | | |
|---|---|
| ☐ Cell Membrane | ☐ Endoplasmic Reticulum (Smooth & Rough) |
| ☐ Cell Wall | ☐ Golgi Body |
| ☐ Cytoplasm | ☐ Vesicle |
| ☐ Nucleus | ☐ Vacuole |
| ☐ Nuclear Membrane | ☐ Lysosomes |
| ☐ Chromatin | ☐ Mitochondria |
| ☐ Nucleolus | ☐ Chloroplasts |
| ☐ Ribosomes | |

- ☐ 4. Using your guided notes, draw the image of an **ANIMAL** and an **PLANT** cell and use a straight edge (ruler) to label its parts. You can trace the cell if necessary. ****Use your Cell Organelle Guided Notes.*
- ☐ 5. Can explain the relationship between chloroplasts and mitochondria.
- ☐ 6. Create a Venn Diagram showing all the ways a plant cell, animal cell, and bacteria cell are the same and different. ****Use Prokaryotic vs. Eukaryotic Venn Diagram & associated HW sheets*
- ☐ 7. Fully explain the path a protein takes through the cell.
****Use your Graphic Organizer: Path A Protein Takes*
- ☐ 8. **LAB:** Be able to identify what a cheek cell, Elodea cell, and bacteria cell look like when viewing it under the microscope. Therefore, draw and label each type of cell as it appeared in our microscope lab. ****Use your observations from the Cell Observation Lab*

- ☐ 9. Using your notes about cell transport, be able to predict the effects of **diffusion**, **osmosis** and **active transport**.

FLASHBACK MATERIAL

- ☐ 10. Scientific Method – Define the following terms: *independent and Dependent variable* *****Use a ticket slip and make sure you can pick out the variables.*



Cell Structure And Function Answers Study Guide

**David E. Sadava, Gordon H.
Orians, Craig Heller, William K. Purves**



Cell Structure And Function Answers Study Guide:

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more than undergraduate nursing students we will be careful about branding them as strictly NGN Case studies help students practice application of concepts and develop critical thinking skills Answer key is conveniently located in the back of the study guide Thoroughly updated to match the 8th edition of the textbook

Life Study Guide David E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also covers study strategies common problem areas and provides a set of study questions both multiple choice and short answer

Student Study Guide/Solutions Manual for Essentials of General, Organic, and Biochemistry Denise Guinn, Rebecca Brewer, Rachel C. Lum, 2009-09-15 The Student Study Guide and Solutions Manual provides students with a combined manual designed to help them avoid common mistakes and understand key concepts After a brief review of each section s critical ideas students are taken through stepped out worked examples try it yourself examples and chapter quizzes all structured to reinforce chapter objectives and build problem solving techniques The solutions manual includes detailed solutions to all odd numbered exercises in the text

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