Unit 4: Cells and Body Systems Study Guide (Sample Work)

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Directions: Using the lesson numbers as a guide, answer the questions in the last column. It is acceptable to have bullet points and short phrases and <u>ANSWERS SHOULD BE IN YOUR OWN WORDS.</u> Your words are easier to study than another author's words?

Submit as a PDF for your unit Sample Work at the end of this unit. (Not sure how to convert to PDF? <u>Click here</u>)

Note on Vocabulary: You are responsible for understanding all vocabulary associated with this Unit.
 Vocabulary words and definitions can be found throughout the lessons on the Objective and Key Word Pages. Click here for Diology Vocabulary tips and note taking templates!

Lesson Number	Guestion	Your Answer/Notes
Lesson 2	 Define the following types of transport: 	Passive Transport (no energy required) Diffusion: _Passive transport Facilitated Diffusion: _Protein-aided transport Osmosis: _fluid movement between molecules
Lesson 2	2. What is the difference between a hypertonic and hypotonic environment?	Hypertonic: A high solute concentration outside the cell, causing cell shrinkage. Hypotonic: A low solute concentration outside the cell, causing cell swelling.
Lesson 2	3. What is mitosis?	"A process in which a cell replicates its chromosomes and then segregates"
Lesson 3	4. What is the difference between prokaryotic and eukaryotic cells? What do they both have?	Eukaryotic cells are a distinct nucleus and a diverse array of membrane-bound. prokaryotic cells lack a nucleus and other membrane-bound organelles.

Systems Study Guide

Robert Radvanovsky

Systems Study Guide:

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