

Biology / Fitzgerald

TEST REVIEW GUIDE: Membranes and Membrane Transport

Test Format

The format of the questions is a combination of short answer and multiple choice. The short answer questions will account for the majority of the points. When you respond to short answer questions, you will be expected to organize your thoughts logically and respond in complete sentences. Complete sentences demonstrate that a student can apply fundamental grammar, punctuation, and spelling rules to their writing.

Test Content

The test material includes:

1. Basic knowledge of cell organelles
2. Structure of the water molecule
3. Properties of water that pertain to life on Earth
4. General characteristics of organic molecules
5. Structure and function of carbohydrates
6. Structure and function of lipids
7. Structure and function of the cell membrane
8. Diffusion and osmosis
9. Effect of solute concentration and solute size on osmosis and /or diffusion
10. Effect of water “concentration” (water potential) on osmosis
11. Passive versus active transport

Study Strategies

- *Make sure you have what you need – pencil, paper, calculator, binder, text, review guide.
- *Choose a reasonable place to study. Close your computer while you work. Turn off your phone. All you’ll need are your text and your binder.
- *Create a set of study notes that condense your class and reading notes into a neat, organized set of information that reflects what you need to know for the test. You will find that the process of creating these notes is as important to your studying as looking over them later. Do not take study notes from classmates. Make and use your own.
- *Identify what information you need to memorize. Make flashcards. As you work through the cards, remove words or ideas that you know well. Keep flashing the words you don’t know until you know them.
- *Use quiz questions as study questions. Correct any wrong answers using your notes/text. Rewrite the questions and answer them as if you are taking the test. Check yourself for accuracy once you have completed the exercise.
- *Anticipate questions that will be on the test. Look at the reading questions at the end of each section of the text. Pick out questions from the chapter test that seem like they address what we have emphasized in class. Answer these questions without help.
- *Make a list of questions or concepts that you want to clarify. Come into class early or stay after school for a few extra minutes and talk them over with Mrs. Fitzgerald.