

Honors Biology Mid-Term Exam Outline
Mrs. Streeter

60 minute mid-term exam:	72 (72 points total) <i>multiple choice questions</i>
	18 (18 points total) <i>true or false questions</i>
	5 (25 points total) <i>fill in the blank/short answer</i>

You should utilize your Chapter Study Guides to study for the Mid-Term. All of the questions for the midterm come directly from the study guides from previous tests.

The midterm will be 110 points in total. There will be 72 multiple choice questions. There will be 18 true or false questions. There will also be 4 fill in the blank/short answer questions.

Chapter 1: The Science of Life

You will need to understand a specific example going from the simplest unit of organization to the most complex to the organism. (Fill in the blank)
You will NOT have to complete microscopic measurement problems. You will NOT have to fill in a microscope diagram

Chapter 2: Composition of Matter

You will need to understand how many times more acidic/basic different pH values are.
You will need to understand valence electrons and the types of bonds between atoms.
You will NOT have to draw any atoms OR bonded atoms.

Chapter 3: Biochemistry

You will need to be able to label glucose, fructose, and galactose. (Fill in the blank)
You will need to be able to differentiate between saturated and unsaturated fat diagrams. (Fill in the blank)
You will need to be able to differentiate between hydrolysis and condensation/dehydration and explain how you knew which was which. (Fill in the blank)
You need to know the monomers of all the different types of macromolecules and the different classifications and characteristics of the macromolecules (proteins, carbohydrates, nucleic acids, lipids).

Chapter 4: Cell Structure and Function

You will need to be able to label five parts of the animal cell. (Fill in the blank)
You need to understand the role of different parts of a cell. You need to understand the difference between prokaryotic and eukaryotic cells.

Chapter 5: Membrane Transport

You will need to be able to describe the solution in the beaker, the solution in the cell, and the movement of water. (Fill in the blank)
You need to understand the difference between active and passive transport and the various characteristics of both.
You will not need to read paramecium experiment data and answer questions OR utilize information from the diffusion lab.

All of the multiple choice questions will be taken from previous study guides.
There will be five extra credit questions at the end of the exam (for 5 points).

There will be a full mid-term Kahoot. You are welcome to play other chapter Kahoots from previous tests to help you study as well. We will also be reviewing in class. If you need any of the study guides to review or because you have misplaced yours they will be available in class Jan 10th-17th.