

STUDY GUIDE: EXAM ONE

1. Complete the following from your McKenna Supplement page 156-157
2. Answer the additional questions listed here

Unit One:

Q's #1-4

Also, *be able* to describe in detail the two examples of homeostatic mechanisms involving blood sugar and childbirth discussed in class.

Unit Two:

Q's #1-4

Unit Three:

Q's #1-4 (Be able to answer these during the exam)

Also, be prepared to demonstrate putting a slide on the microscope and bringing it into correct focus to find the specimen.

Unit Four:

Q's #1, 4, 6, 8 and 9

Unit Five:

Q's #1-4

Also, *be able* to predict the direction of movement of solutes given the concentrations.

Unit Six:

Q's #1-4

Be sure that you can recognize the listed tissue types under the microscope.

Metabolism, Enzymes and Energy Conversions:

1. Define anabolism, catabolism, potential energy and chemical energy
2. Describe the concept of nutritional classifications. Which one are humans grouped in?
3. Describe the role of ATP in energy conversions and enzyme function.
4. Describe what we mean by "lock & key" functioning of enzymes
5. List and describe the five factors that can affect enzyme function

In addition to the above, be sure to review your lecture notes and study the vocabulary presented in class.

DISCLAIMER: If any material appeared in the lecture and I said that you should know it for the exam, then you should know it for the exam...even if it is not specifically listed here. In general, you can assume that, if completed, this study guide will give you a very good standing in terms of the material that will be in the exam.

Please expect the exam to include some multiple choice, short answer and laboratory practical questions.

Special Accommodations: If you need accommodations for the exam, you must submit a signed letter from the disability center describing the accommodations you require. Please give me at least a few days advance notice if you will require accommodations.

EXAMS CANNOT BE MADE-UP