

9 wks Final Study Guide

Write as much as you can about the following topics/questions.

1. Know the differences between prokaryotic and eukaryotic cells.
2. Describe a condensation (dehydration) and hydrolysis reaction.
3. What is the function of Ribosomes?
4. Describe the properties of water discussed in class. Give examples of them.
5. What are the functions of enzymes?
6. List the similarities and differences between Plant and Animal cells.
7. With respect to energy what molecule provides more, Carbohydrates or Lipids? WHY???
8. What **elements** are mostly found in living things?
9. Name the monomers and polymers of the macromolecules we learned in class.
10. List the levels of organization in living things.
11. What are the functions of Proteins and Carbohydrates in the body? List many!!!
12. Know the structure and function of carbohydrates.

13. How does a cell maintain its internal pressure?

14. Draw the structure of an amino acid, fatty acid, glucose, and a nucleotide.