

Biology Test Outline

Science Olympiad Anatomy and Physiology

Name _____

1. Organic Molecules
 - a. Carbohydrates
 - b. Proteins
 - c. Lipids
 - d. Nucleic acids

2. Cells
 - a. Organelles
 - b. Specialization
 - c. Transport in and out
 - d. Homeostasis

3. Cellular Respiration
 - a. Anaerobic respiration
 - b. Aerobic respiration
 - c. ADP → ATP
 - d. Lactic acid fermentation

4. Enzymes
 - a. Functions
 - b. Substrates → products
 - c. Factors that affect enzymes
 - d. Inhibition

5. DNA and RNA
 - a. Functions
 - b. Structure
 - c. Importance

6. Cell Division
 - a. Cell cycle
 - b. Mitosis
 - c. Meiosis

7. Genetics
 - a. Terms
 - b. Mendel's Laws of Heredity
 - c. Patterns of inheritance
 - d. Punnett squares

8. Disease
 - a. Microbes/pathogens
 - b. Defense against disease