

## Free Response Questions

Answers must be in essay form. Outline form is NOT acceptable. Labeled diagrams may be used to supplement discussion, but should be explained in your essay. It is important that you read each question completely before you begin to write.

1. Discuss proteins and the relationship between its conformation and the diversity of functions it performs.

1. Proteins have a variety of functions. Name and describe some of these functions.

2. Discuss bonding with respect to the four levels of conformation of proteins.

What determines the conformation of a protein?

3. What role does homeostasis (think pH, or temperature...) play in maintaining protein conformation?

12 points