

Free Response Review (10 point question)

**Answers must be in essay form. Outline form is NOT acceptable. Labeled diagrams may be used to supplement discussion, but in no case will a diagram alone suffice. It is important that you read each question completely before you begin to write.**

1. Macromolecules are the foundation for all life.
  - a. Explain how macromolecules are built from smaller units.
    - i. Pick a specific macromolecule group to use for your example.
    - ii. Use appropriate vocabulary.
  - b. All macromolecules are built using the same 3 elements (though some have additional elements). List the 3 elements and explain which is most important.
  - c. Given the similar elements of the macromolecules, how is it possible that they each end up so different? Please focus on the structure of at least 2 of the macromolecules and how the structure determines their function.

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