

CHAPTER 1 FREE RESPONSE QUESTION (FRQ):

Structure related to function is one of the unifying themes in biology. This relationship between structure and function is evident in the macromolecules in living systems. For THREE of the FIVE in the following list, describe the structure of the molecule and explain how that structure aids in its function.

- a. Starch and glycogen as energy storage molecules
- b. Cellulose and chitin as structural molecules
- c. enzymes
- d. phospholipids and their role in cell membranes
- e. DNA and its role in determining characteristics in organisms

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