Macromolecule Short Answer Question Practice



- 1. A) The breakdown of carbohydrates & proteins cannot take place in the absence of water. Explain why.[2]
 - b) Use diagrams to support your answer [2]

2. Which structural level of a protein would be affected if a cell had an unusually high level of salt? Explain how the structure might change.[3]

3. Most types of soap contain phospholipids. Explain what properties do phospholipids have that make them good dish detergents? [2] Use diagrams to support your answer [2]

4. Nucleic acids and amino acids can increase the H+ concentration of a solution, making it more acidic. Explain how this is possible. [2] Use diagrams to support your answer [2]

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5. Humans produce cerumen, a waxy secretion, in their outer ears. Based on what you have learned about the characteristics of lipids what purpose do you think this serves and why? [2]

6. When ground beef is cooked many of the lipids separate and can be poured out of the pan. As this lipid liquid cools, will it remain a liquid or form a solid? Explain using diagrams [4]

7. Explain how you can identify the 4 different macromolecules in diagrams & their respective bonds holding the monomers together. [8]