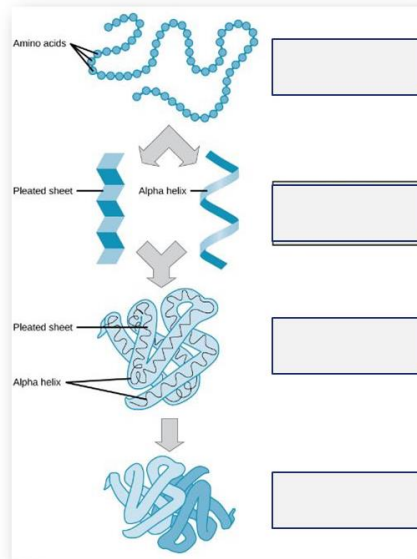


YOU MUST HAND WRITE THESE ANSWERS!

1. Draw the 7 functional groups found in macromolecules.
  
  
  
  
  
  
  
  
  
  
2. What are the 4 types of macromolecules?
  
  
  
  
  
  
  
  
  
  
3. When 2 monomers are joined together, is it a dehydration reaction or hydrolysis reaction?
  
  
  
  
  
  
  
  
  
  
4. Carb: Monomer: \_\_\_\_\_; Covalent bond: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
5. Is glucose considered a pentose sugar or hexose sugar? \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
6. Name an example of a monosaccharide: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
7. Name an example of a disaccharide: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
8. Name an example of a polysaccharide: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
9. Proteins: Monomer: \_\_\_\_\_; Covalent bond: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
10. What are the functions of proteins?
  
  
  
  
  
  
  
  
  
  
11. Draw the basic structure of an amino acid:

12. Label primary, secondary, tertiary and quaternary structure:



13. How can a protein be denatured?

14. Nucleic Acids: Monomer: \_\_\_\_\_; Covalent bond: \_\_\_\_\_

15. What are the 3 components of a nucleotide?

16. What sugar is found in DNA? \_\_\_\_\_

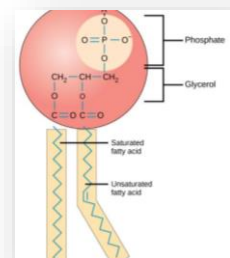
17. What sugar is found in RNA? \_\_\_\_\_

18. What are the 5 nitrogenous bases?

19. What are saturated fatty acids?

20. What are unsaturated fatty acids?

21. What are triglycerides composed of?



22. Label the hydrophobic and hydrophilic parts of a phospholipid: