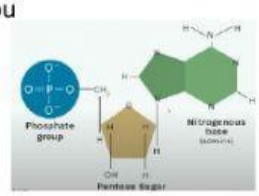
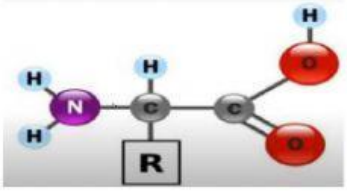
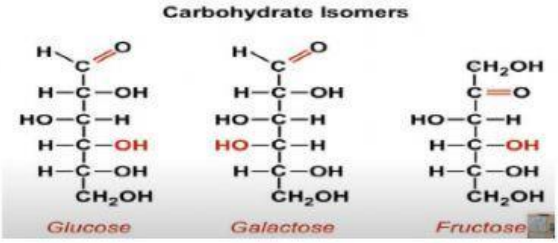
AP Biology: 1.4 Properties of Biological Molecules

1. The structure of something determines its _____. If you change the structure you change the _____.
2. What are the three parts of a nucleic acid? _____
3. What is the function of nucleic acids? _____
4. Each type of nucleic acid differs in their _____ and also differs in their _____.
5. Name at least three of the functions of proteins. _____
6. What are the parts of the amino acid below? _____

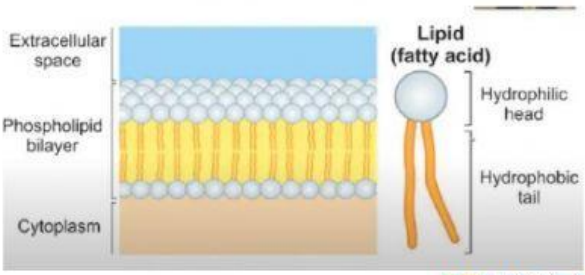




7. How do you bind two amino acids together? _____ What is this bond called? _____There are ____ naturally occurring amino acids in our body.
8. What makes an amino acid nonpolar? _____
9. What makes an amino acid polar? _____
10. What do the carbohydrates below have in common? _____ What is different about them? _____ This difference is also going to determine their _ _____.



11. Lipids are all _____. They are composed of _____ combined with _____
12. What determines if a fatty acid chain is going to be saturated or unsaturated? _____
_____
What does this cause? _____
13. What does the hydrophilic and hydrophobic regions of the phospholipid create? Explain why. __
_____
_____



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