10.10 Starch + water = glucose monosaccharide polysaccharide 20.28: What is a carbohy 4 rate? carbohydrates are a large class of naturally occurring polyhydroroxy aldehydes or ketones. They are also sugar molecules. Cx (H20)7 10.31: classify the four carbony 4rate (a) - (4) by indicating the nature of the carbonyl group and the number of carbon atoms present. 4-0 4-0=0 a) Threose - aldotetrose 5-C C=0 (F) KIPMIOSE - KETO BENTONE 5-c H-c=0 (c) xylore - aldo bentore 6-C C=0 (d) Tagatose - ketonexose 10.37 How many chiral carbon atoms are bletent in each of the wolecnier rhomn in Problem 20.31? (a) therose = 2 chiral carbon atoms (b) Ribulace = 2 chiral carbon atoms 6) xylore = 3 chiral carbon atoma a) tagatose = 3 chiral carbon atoms

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13.64: What is a major function of cholesterol in the body?

— its main function is to maintain the integrity and the

finiality of cell membranes.

—in our body, it aids in production of sex hormones, assists in bile production, and are building blocks for our tissues