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Carbohydrates and Lipids

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| **Across**  **2.** Main component of cell membranes. Similar to a triglyceride, except a fatty acid is replaced with a polar head  **3.** Primary female hormone responsible for development and regulation of the reproductive system and secondary sex characteristics  **6.** Organic compounds build from monosaccharides, containing mostly carbon and water  **8.** Polysaccharide containing thousands of glucose monomers. Energy storage in plants  **14.** Chain of carbons and hydrogen sulfide that make up fats and phospholipids  **16.** A primary female hormone involved in mentruation and pregnancy  **18.** Sugar foundi n milk. Glucose + Galactose  **19.** Primary form of fat in foods and your body. Long term energy storage.  **21.** Biomolecule that is insoluble in water. Fats, Phospholipids, and Steroids  **22.** Lipids that are liquid at room temperature  **25.** Backbone of fats and phospholipids  **26.** Primary male hormone responsible for regulation of the reproductive system and secondary sex characteristics | **Down**  **1.** Long chain of monosaccharides joined together. Starch, Glycogen, Cellulose, Chitin  **4.** Structural component of cell membranes, and a precursor to some hormones  **5.** Combination of two monosaccharide sugars. Sucrose, Maltose, Lactose  **7.** Type of fats that have at least one double bond between two carbons. Healthier fat  **9.** Table sugar. Glucose + Fructose  **10.** Polysaccharide that makes up the exoskeleton of Arthropoda and found in the cell wall of some fungi and algae  **11.** Monomer of carbohydrates. Smallest sugars. Glucose, Fructose, Galactose  **12.** Monosaccharide found in fruit  **13.** Type of fats that have a hydrogen attached to every carbon. Unhealthy fat  **15.** Class of lipids that contains hormones and cholesterol  **17.** Polysaccharide containing thousands of glucose monomers. Short term energy storage in animals  **20.** Enzyme that digests fat  **23.** Polysaccharide containing thousands of glucose monomers arranged to give structure to plants. Not digestible by humans  **24.** Simple sugar used to make energy. C6H12O6 |