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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 |