## **Biochemical Compounds**

Molecules of Life

#### **Polymers**

Common

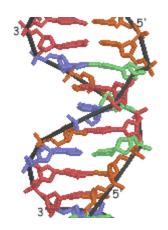
Made of identical smaller pieces hooked together

$$A = CH_{2} = C$$

Polymerization

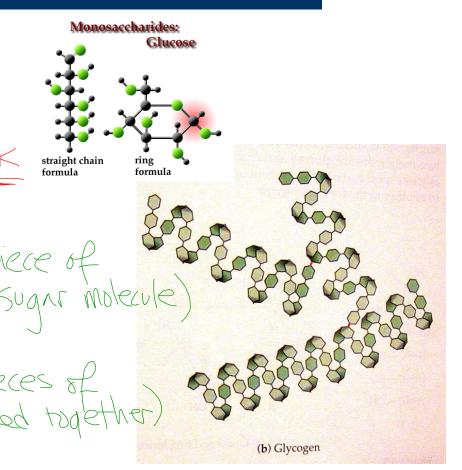
# **Four Main Compounds**

- Carbohydrates
- Lipids (Fats)
- Proteins
- Nucleic acids

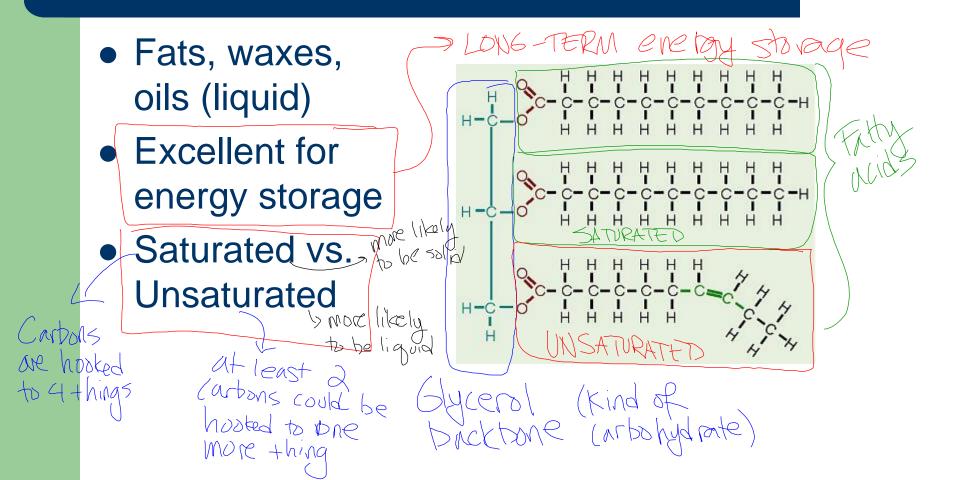


## **Carbohydrates**

- Sugars and starches
- Made of carbon, hydrogen, oxygen
- Used for energy
- Monosaccharides simple sugars (Single)
- Polysaccharides –
   starch and glycogen
   (storage)



#### Lipids

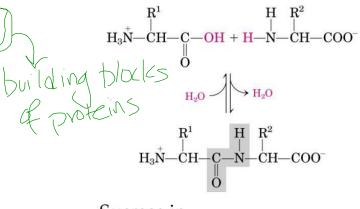


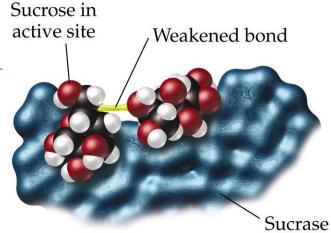
#### **Proteins**

Made of amino acids joined by peptide bond

Used for structure, as enzymes, and more

• Enzymes are reactions occur catalysts for chemical reactions





#### **Nucleic Acids**

 Made from nucleotides RNA and DNA Used to store genetic information

GTCAGGCATG

