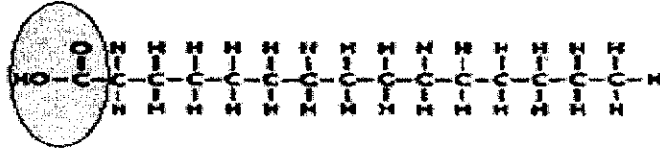


Lipids and Nucleic Acids

I. Lipid Structure



A. Lipids are made up of...

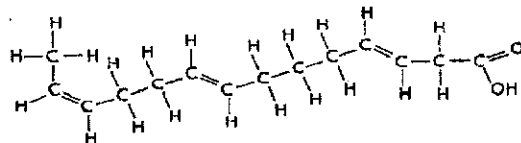
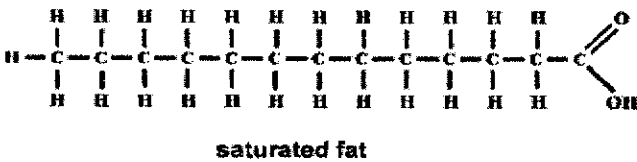
- a. (subunits) = long straight chains of hydrogen and carbon atoms that have a **attached**
- b. Three classes of lipid polymers contain fatty acids:

II. Lipid Function

- A. **Store** for future use
- B. to maintain normal body temperature and **cushion** the internal organs
- C. surfaces of animals and plants (waxes)
- D. Form biological ()
- E. **Produce hormones** (steroids)
 - a. **Two Types of Steroids:** (Testosterone and Estrogen) and (Increase muscle mass)
 - b. **Cholesterol**
 1. Makes
 2. Too much cholesterol in blood

III. Types of Fatty Acids:

vs.



IV. Lipids at the Atomic Level

THINK:

- A. Like carbohydrates, lipids are made up of:
- B. Carbohydrates have twice as many of atoms. EX: atoms as the number
- C. Lipids have **MANY MORE** atoms. EX: atoms than cholesterol