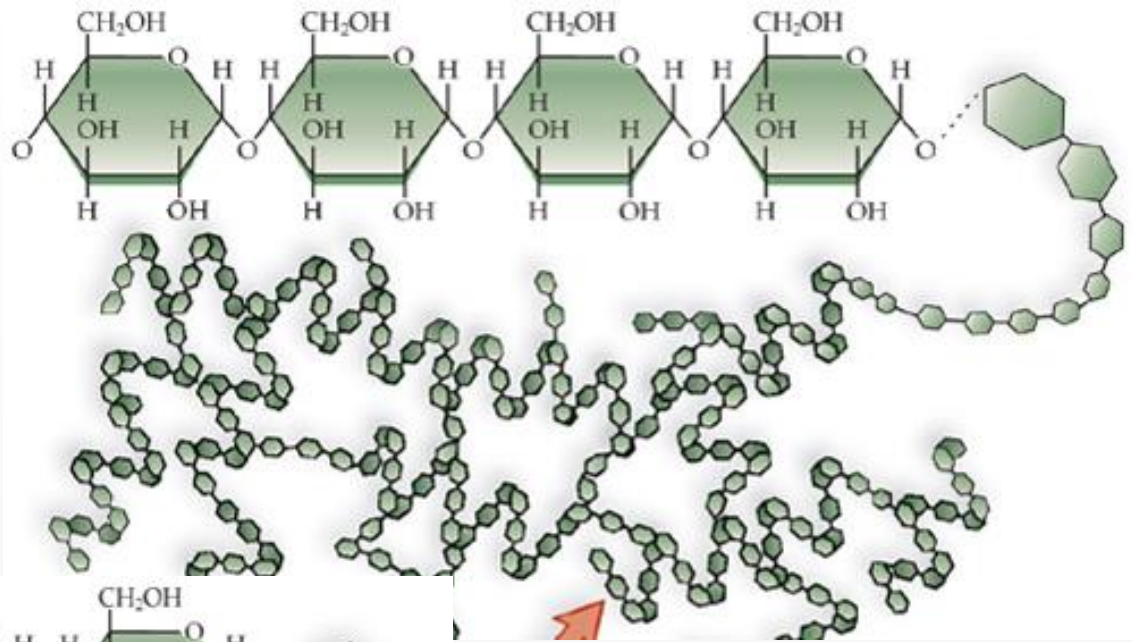
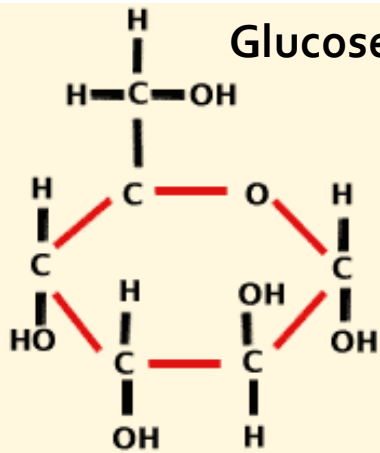


CHAPTER 2:

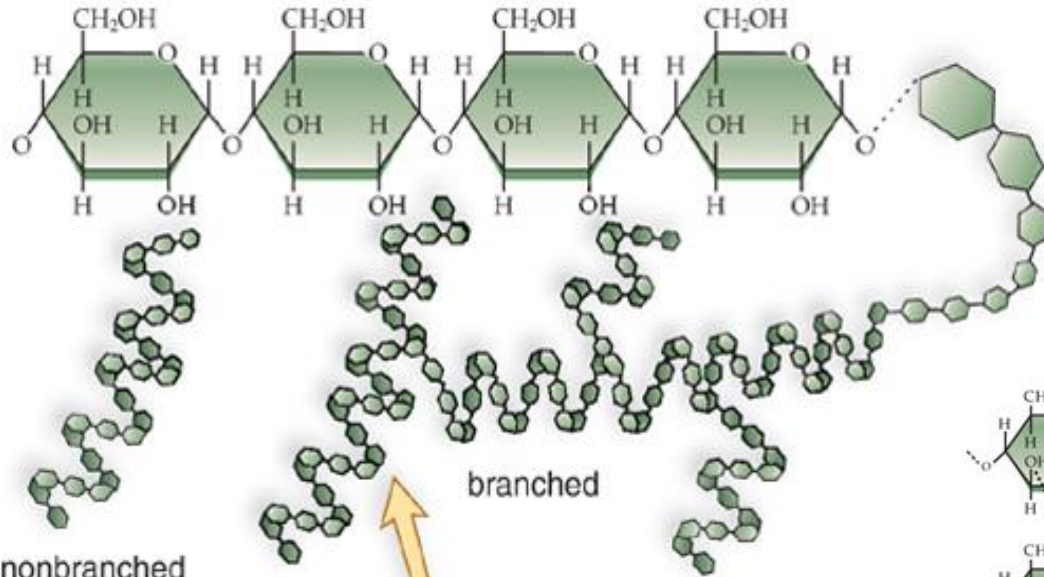
BIOLOGICAL MOLECULES

ANSWER SLIDES

Glucose

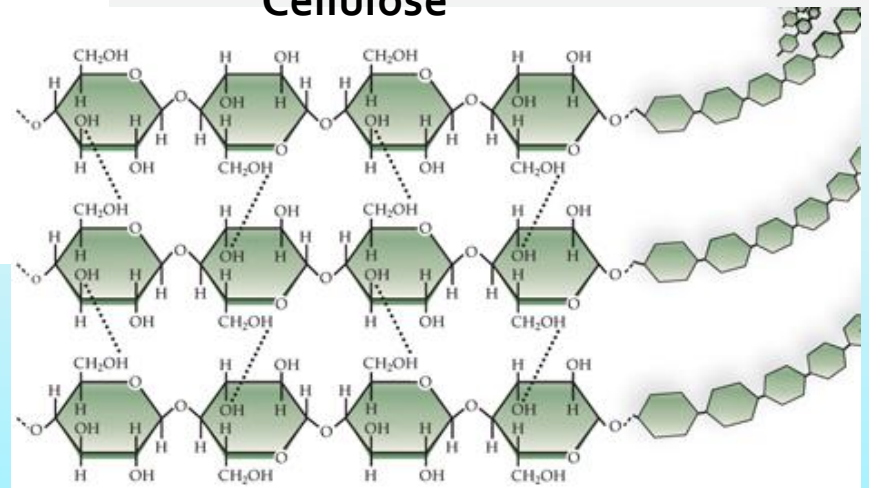


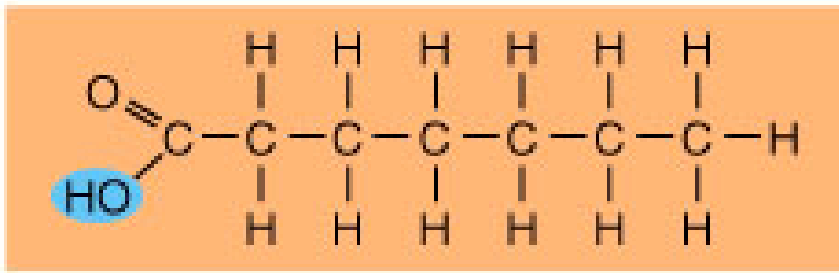
Glycogen



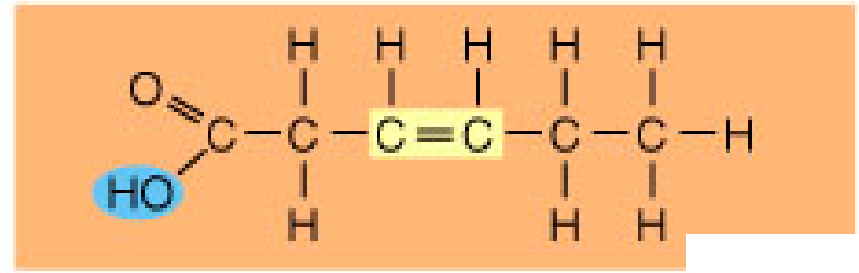
Starch

Cellulose

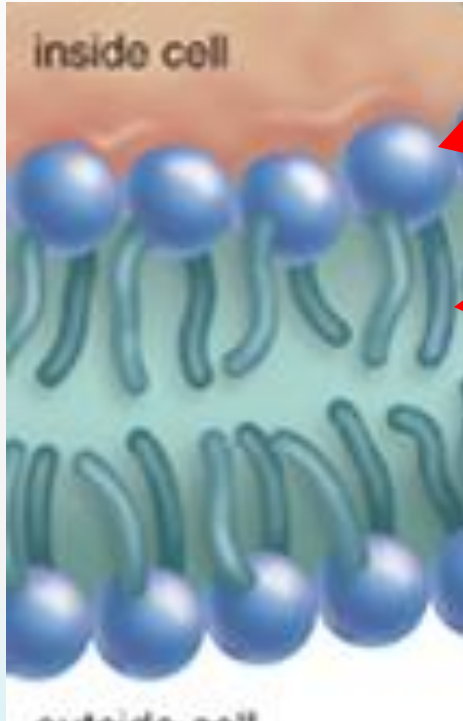




Saturated fatty acid



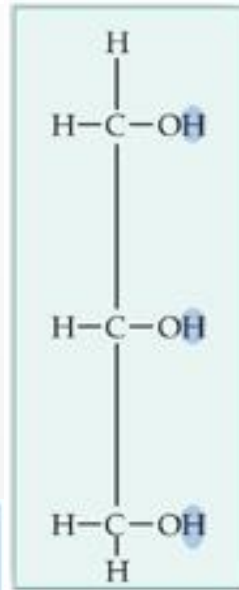
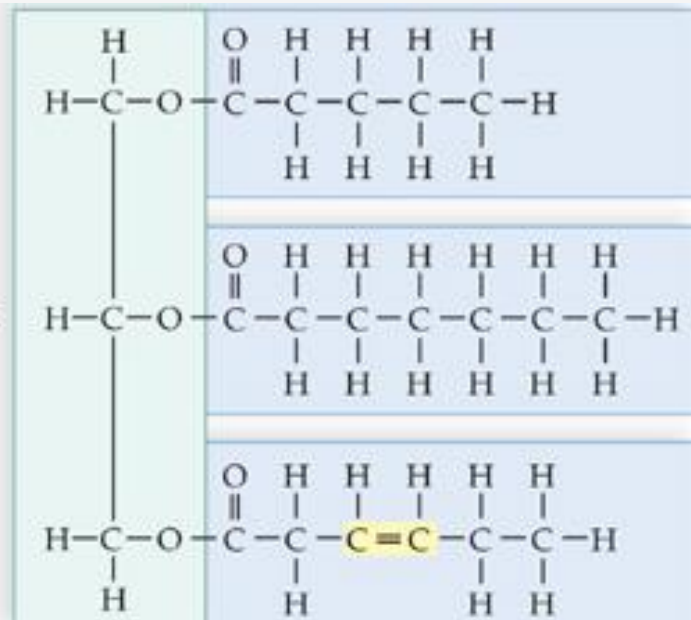
Unsaturated fatty acid



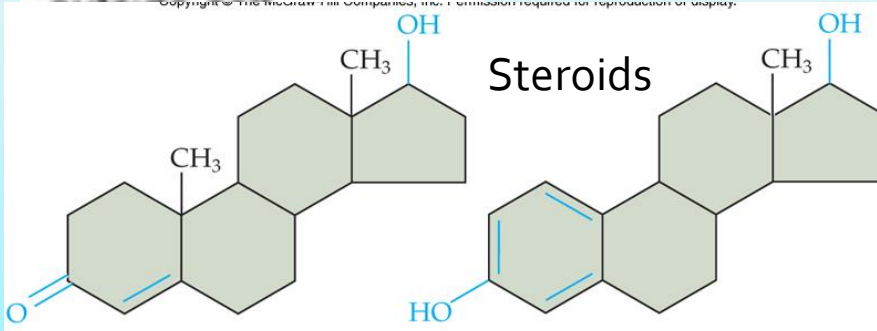
Hydrophilic (polar)

Hydrophobic (non-polar)

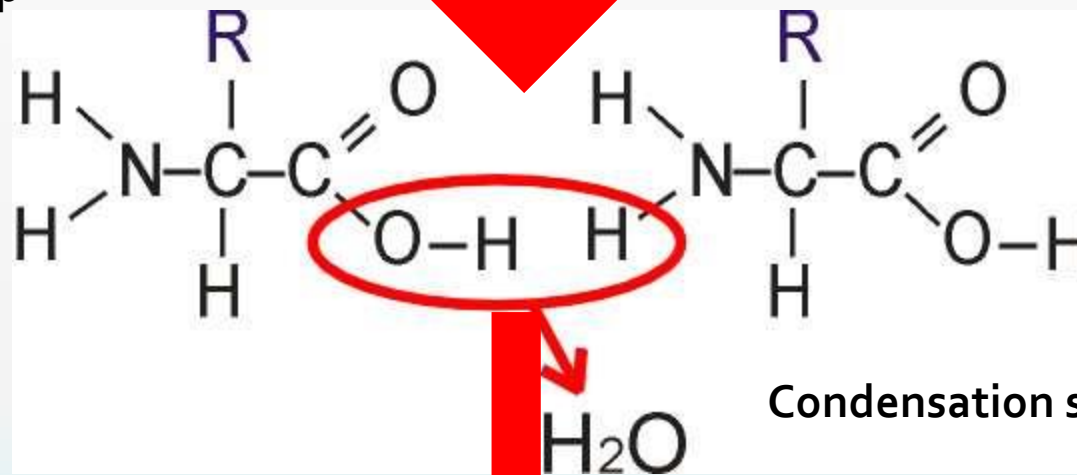
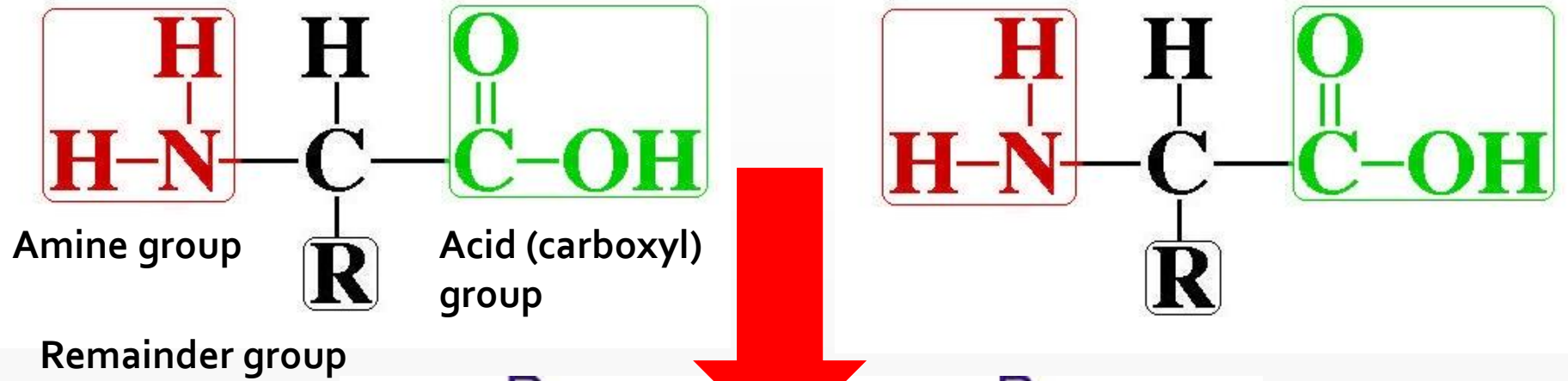
Triglycerides (Neutral Fat)



glycerol



Amino acids



dipeptide

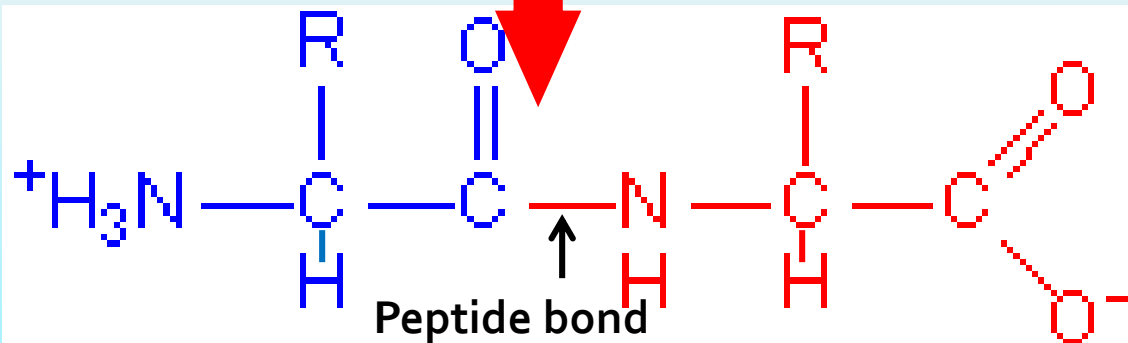


TABLE 2.1**DNA Structure Compared to RNA Structure**

	DNA	RNA
Sugar	Deoxyribose	Ribose
Bases	Adenine, guanine, thymine, cytosine	Adenine, guanine, uracil, cytosine
Strands	Double stranded with base pairing	Single stranded
Helix	Yes	No

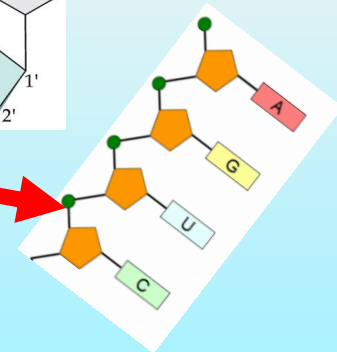
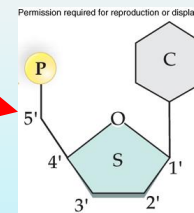
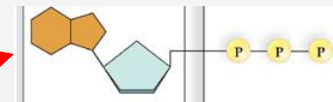
Draw a line to match name to image

Nucleotide

RNA

ATP

DNA





Complimentary Base Pairing

Adenine pairs with Thymine with 2 hydrogen bonds

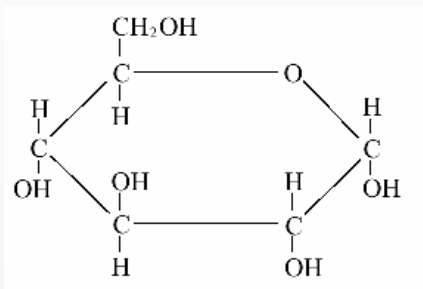
Guanine pairs with Cytosine with 3 hydrogen bonds

Adenine and Guanine are purine bases with a double ring structure
Thymine and Cytosine are pyrimidine bases with single ring structure

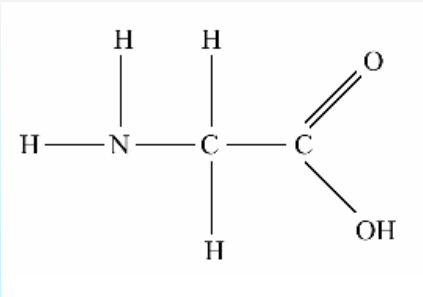
Write the complimentary strand to the DNA strand given below.



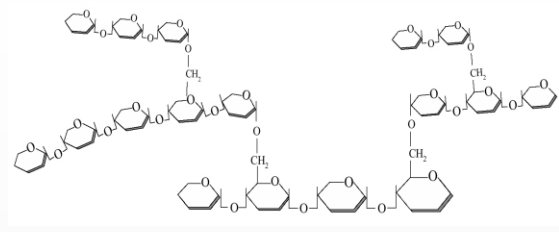
Identify each of these molecules



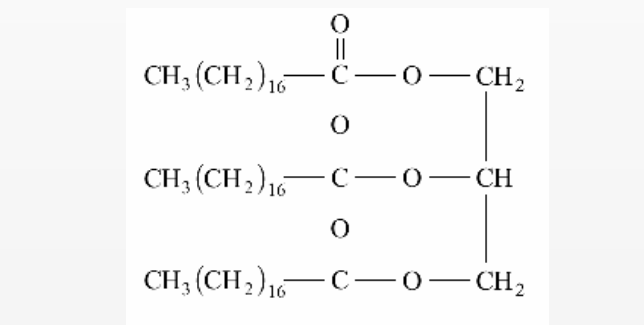
1 Glucose



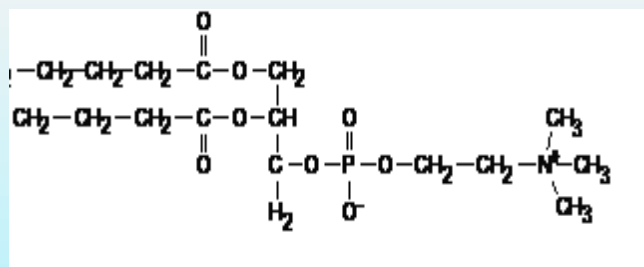
6 Amio acid



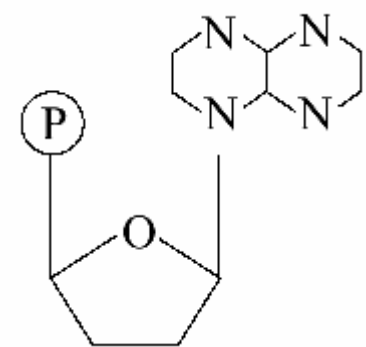
2 Glycogen



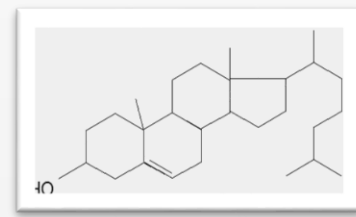
4 Triglyceride (neutral fat)



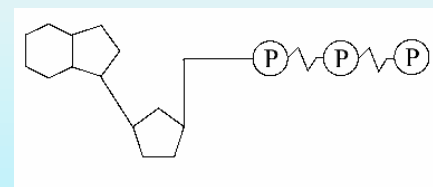
7 phospholipids



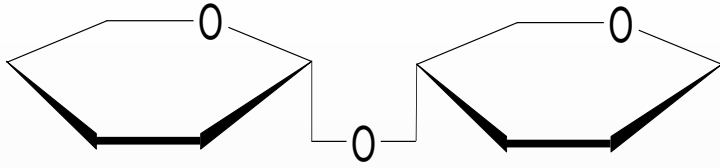
3 Nucleotide (purine)



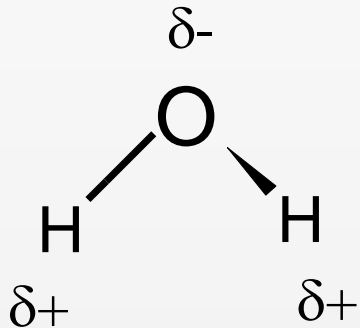
5 Steroid (cholesterol)



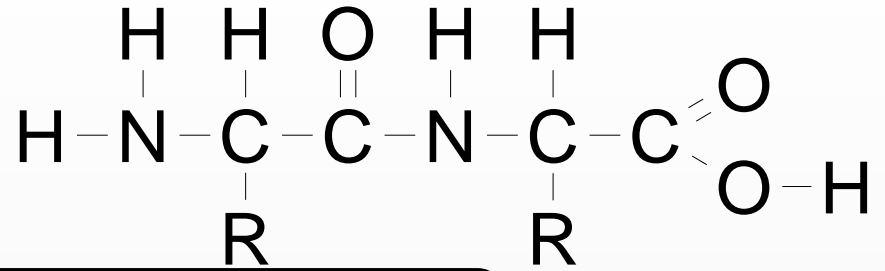
8 ATP



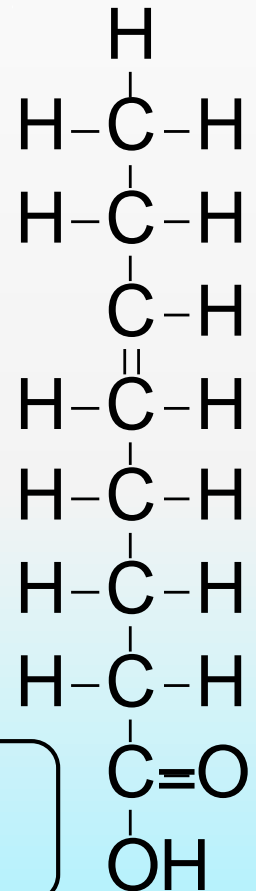
1 Disaccharide
(maltose)



3 water



2 dipeptide



4 Unsaturated
fatty acid

