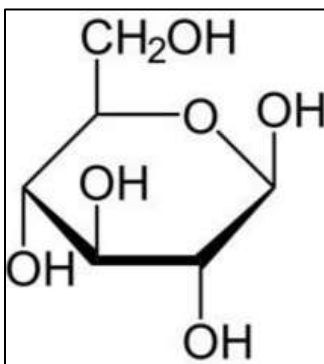


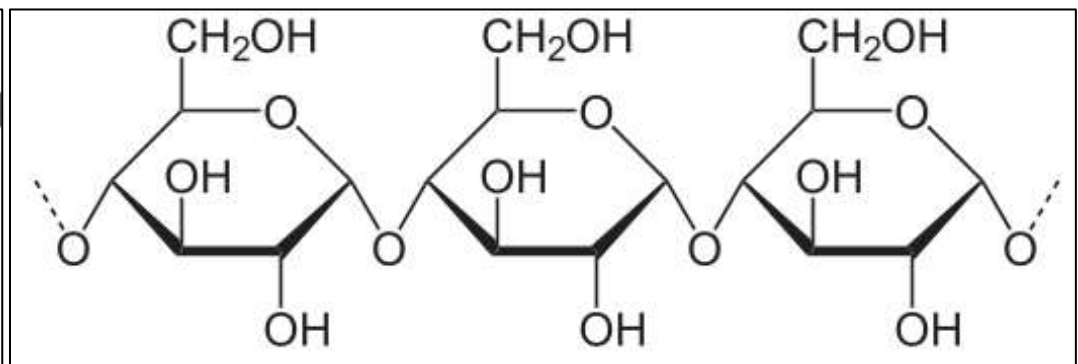
Carbohydrates



- Made of **monosaccharides**
- Used for
 - immediate energy
 - building plant cell walls (**cellulose**)
- Examples
 - **glucose**,
 - sucrose,
 - starch,
 - cellulose



Monosaccharide

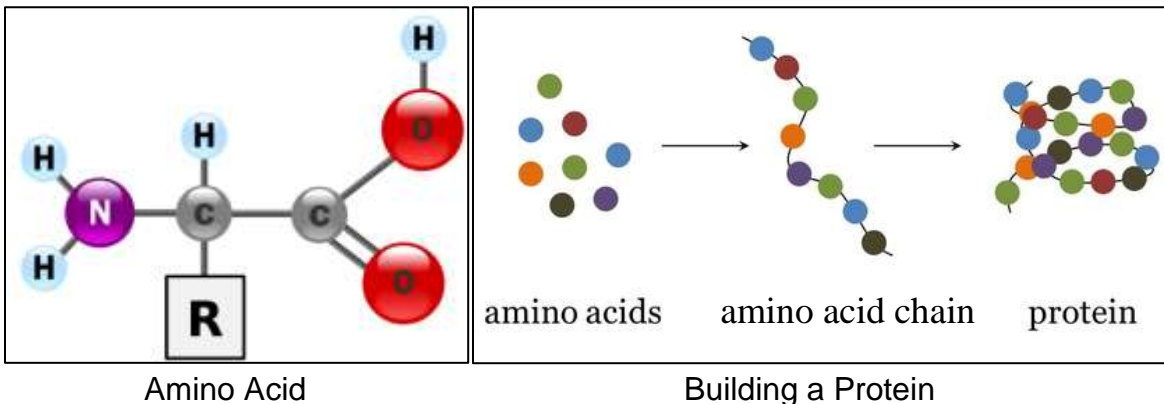


Polysaccharide (chain of monosaccharides)

Proteins



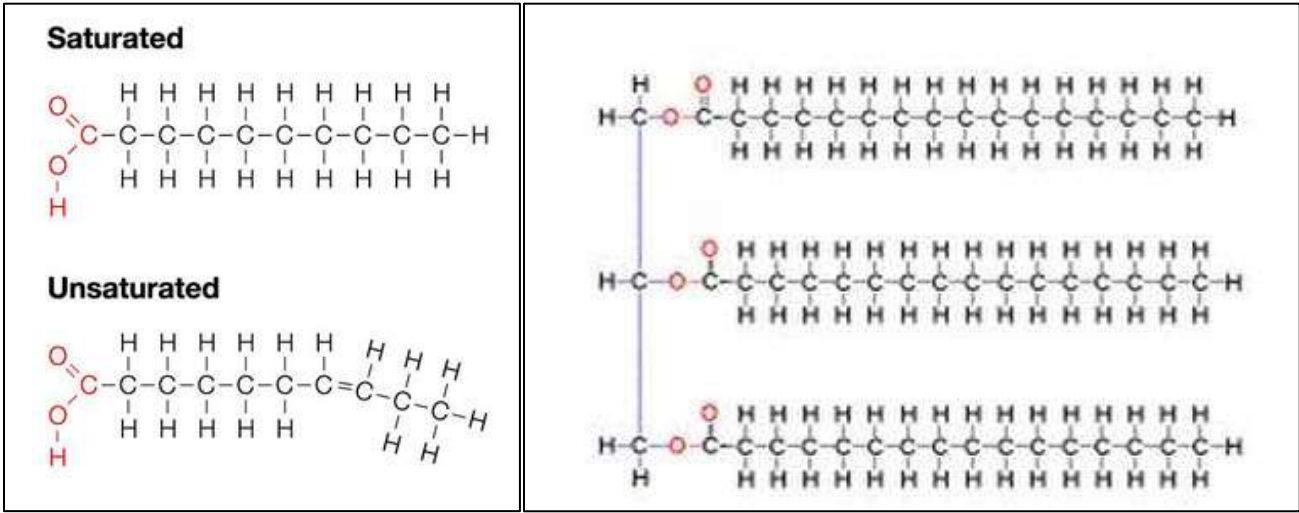
- Made of **amino acids**
- Used for
 - speeding up chemical reactions (**metabolism**),
 - structure, movement,
 - cell communication,
 - cell transport
- Examples
 - **enzymes (catalysts)**,
 - membrane channels,
 - cell cytoskeleton



Lipids

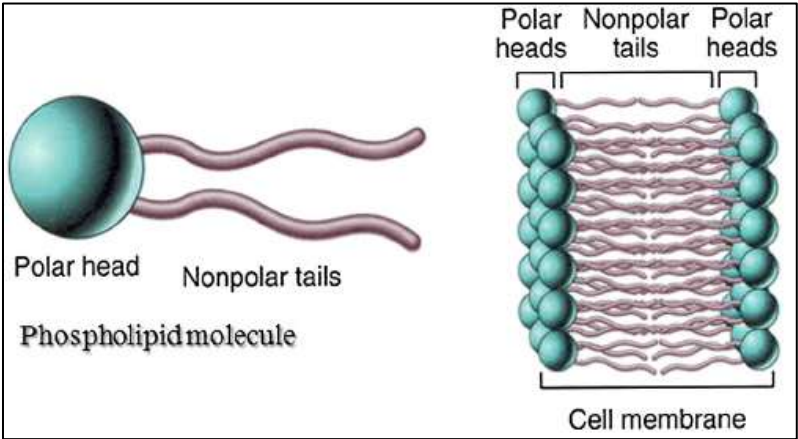


- Made of **fatty acids**
- Used for
 - energy storage,
 - cell membranes,
 - insulation
(blubber)
- Examples
 - fat, oil, and wax,
 - **phospholipids**



Fatty Acid Examples

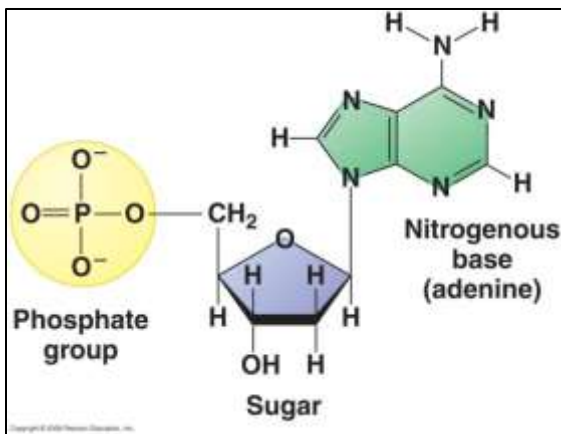
Lipid with 3 Fatty Acids



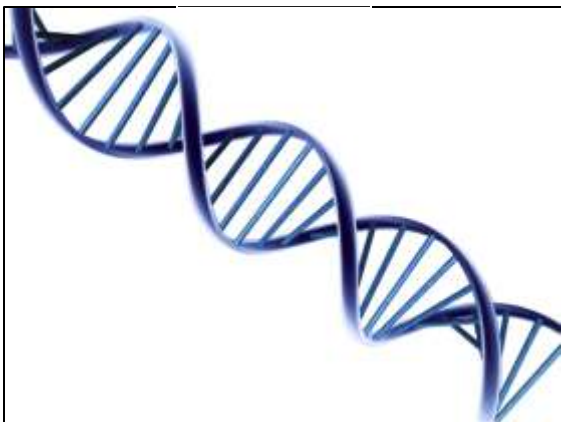
Nucleic Acids



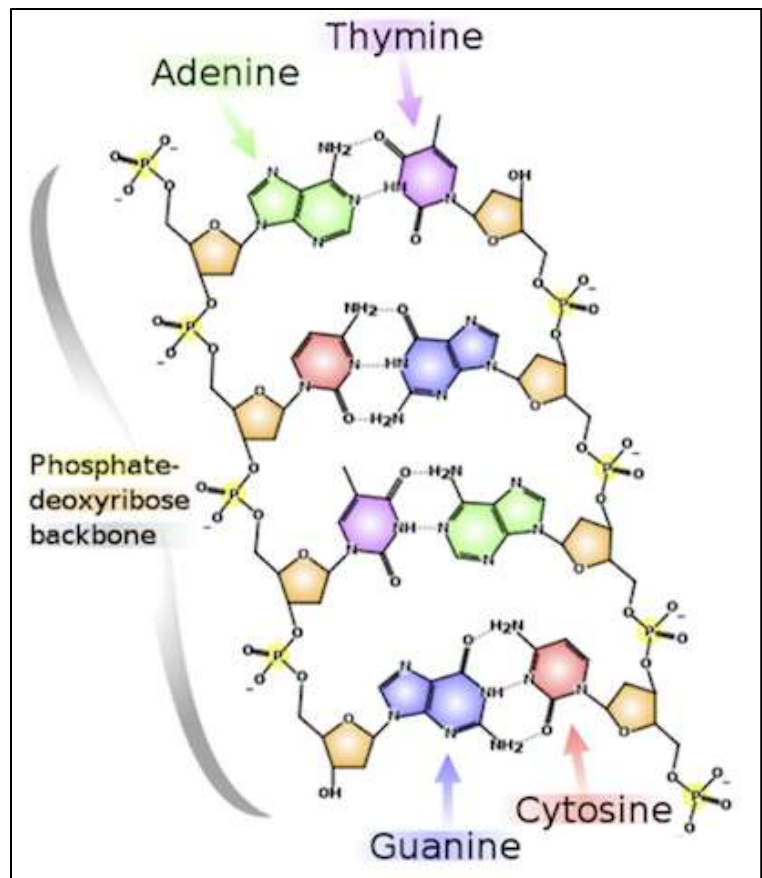
- Made of **nucleotides**
- Used for **genetics** (heredity and cellular control)
- Examples: **DNA and RNA**



Nucleotide



DNA Double Helix



DNA – Double Strand of Nucleotides