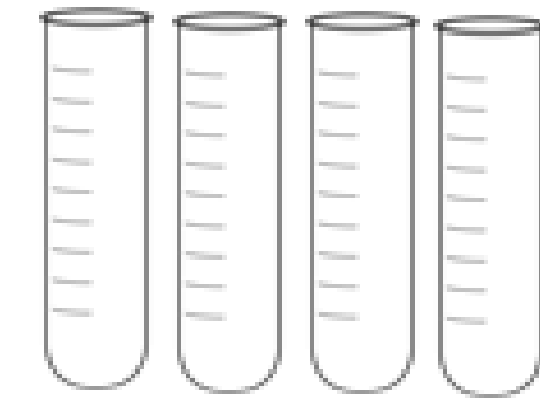


Test with: _____
Add Heat:
Monosaccharides
- Test: Blue
+ Test: Green, Red,
Orange, Yellow

CARBOHYDRATES

Macromolecules



Test with: _____
Lipids
- Test: Red
+ Test: Orange, Pink

LIPIDS

Types

Large

Organic molecules

CHONPS

Essential elements

Function

Structure

CHO

Polymer

saccharides

Monomer

poly 2 di 2 mono

Cellulose

Sucrose

Starch

Glycogen

Test with: _____
Polysaccharides
- Test: Brown
+ Test: Purple or Black

Monomer

Polymer

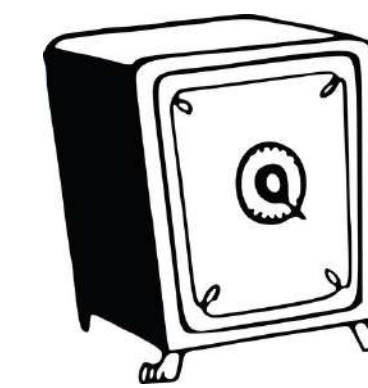
"- H₂O to make"

"+ H₂O to break"

Function

CHO

Structure

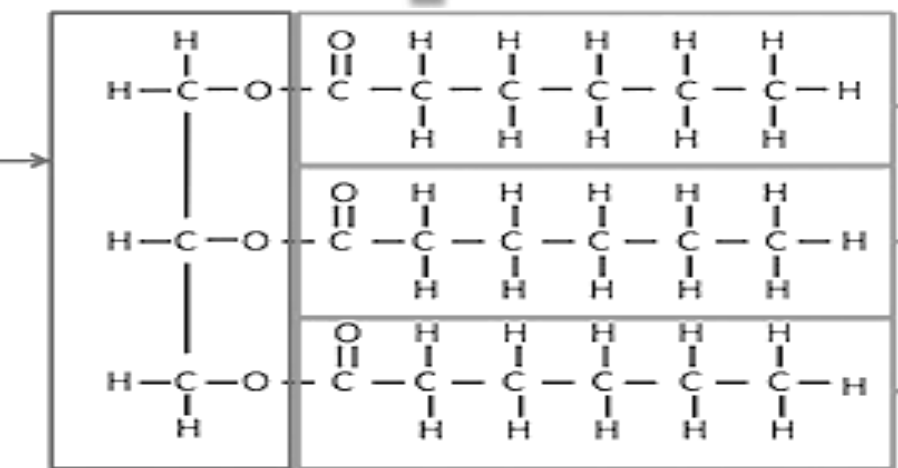


Polymers

Triglyceride

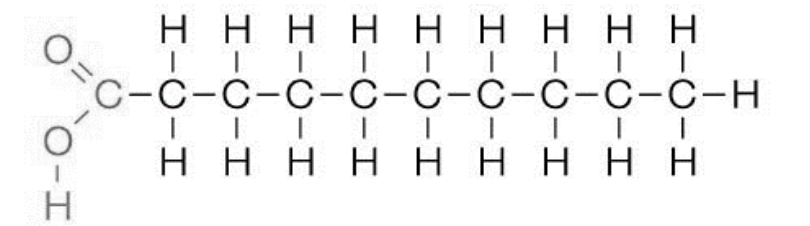
Not a true monomer/
Polymer system

Glycerol Part



3 - Fatty Acids

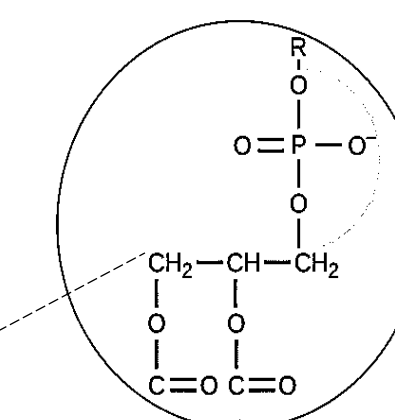
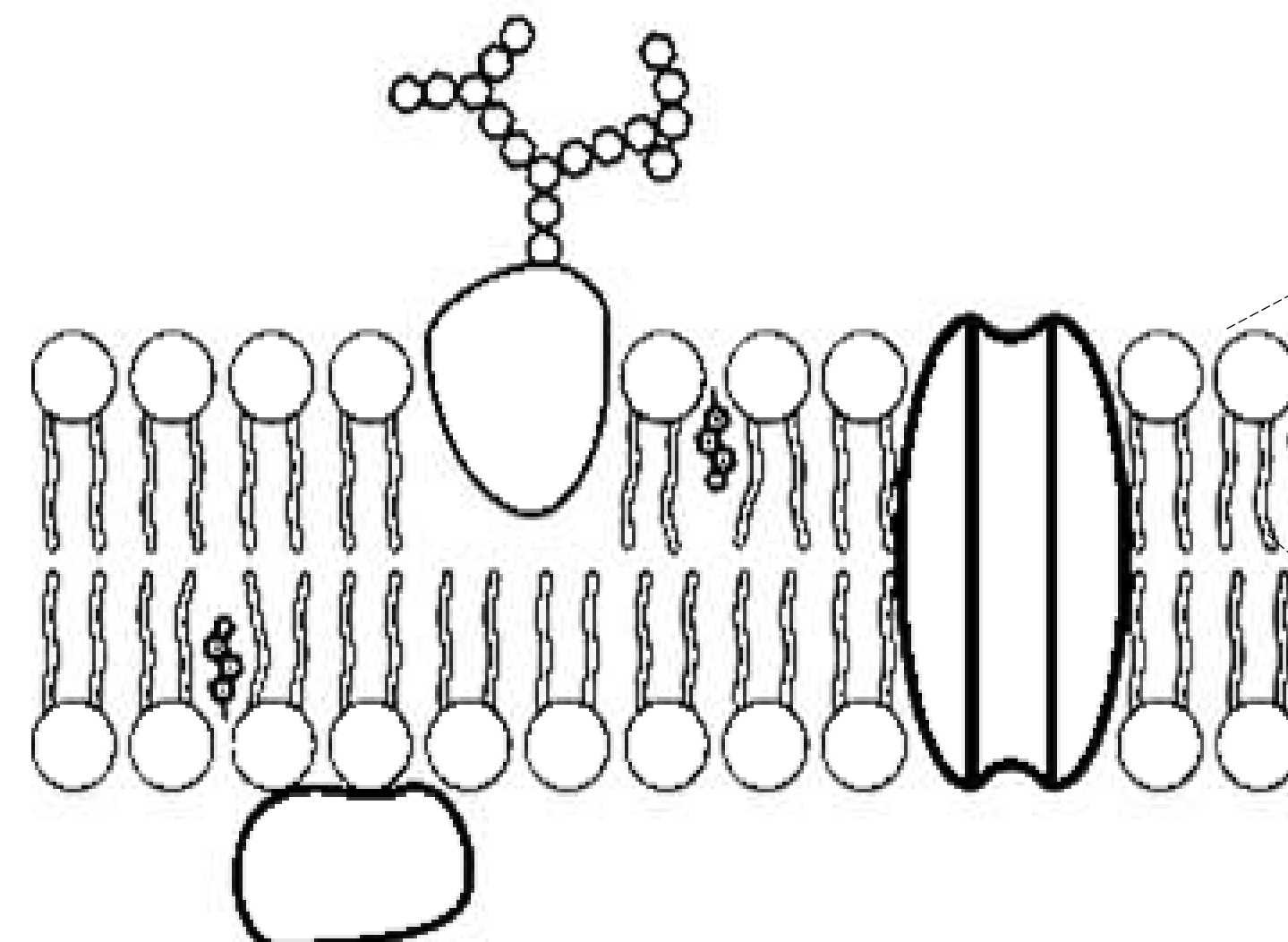
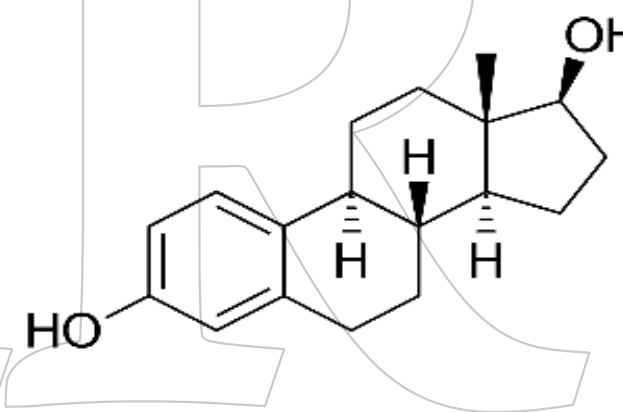
Fatty Acids



Saturated

Phospholipids

Hormones
& Waxes

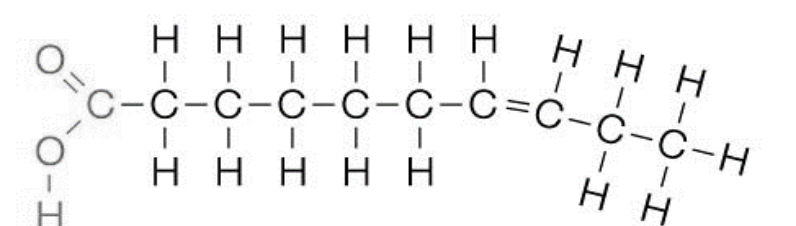


phosphate
glycerol
hydrophilic head

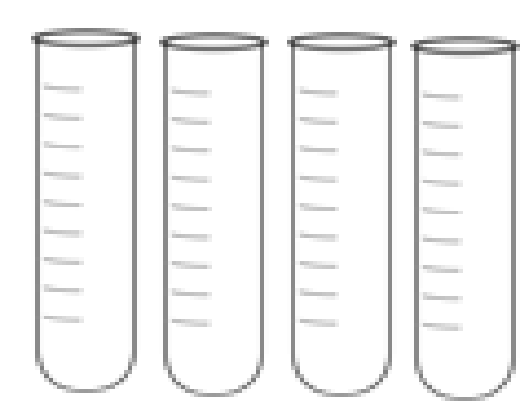
saturated fatty acid
unsaturated fatty acid
hydrophobic tails

☹️ H₂O

Unsaturated

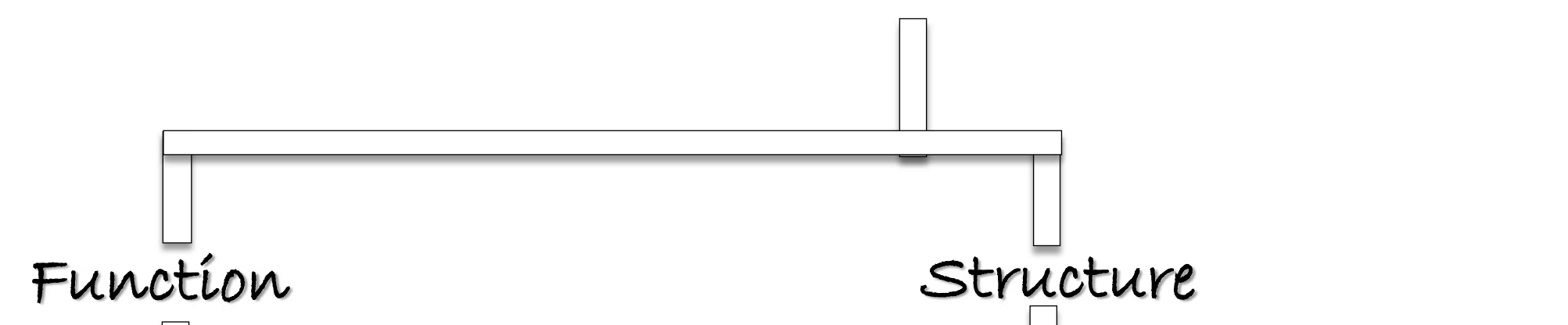


C
H
O
N
S



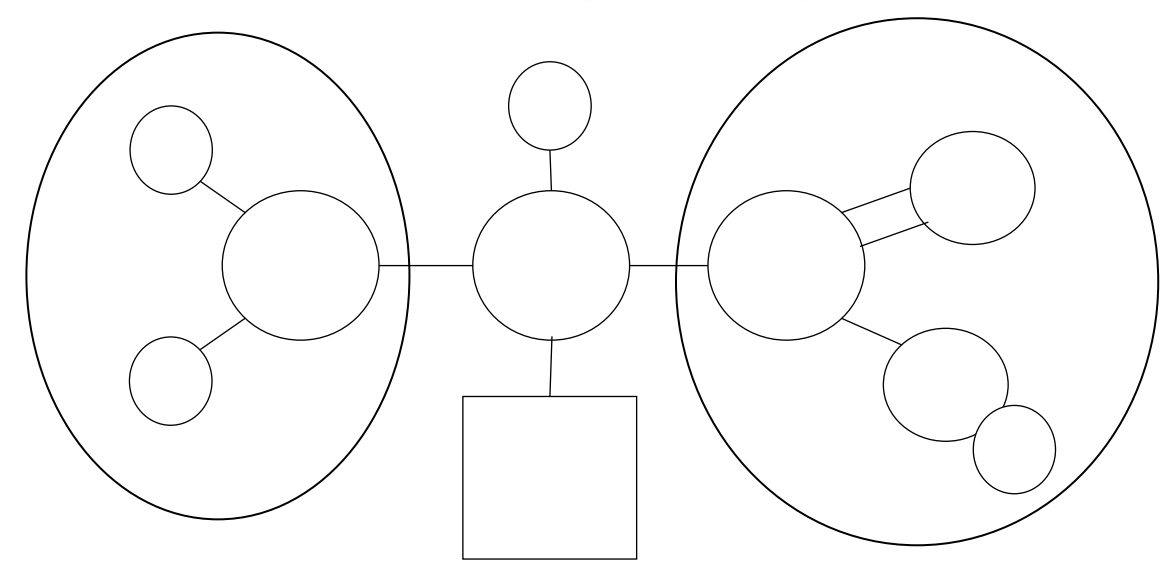
Test with: _____
Proteins
- Test: Blue
+ Test: Lavender

Proteins



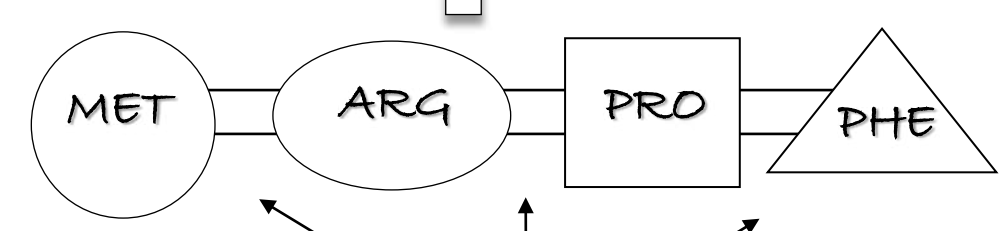
Monomer

Amino Acid



Polymers

Polypeptide



Peptide Bonds

Cellular Activity

Wound / Tissue Repair

Enzyme Activity

Enzyme Specificity

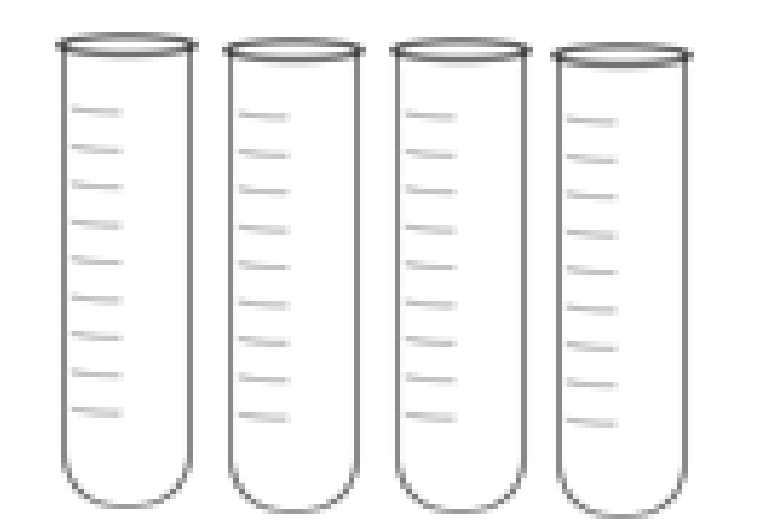
Induced Fit

Inhibition

Competitive

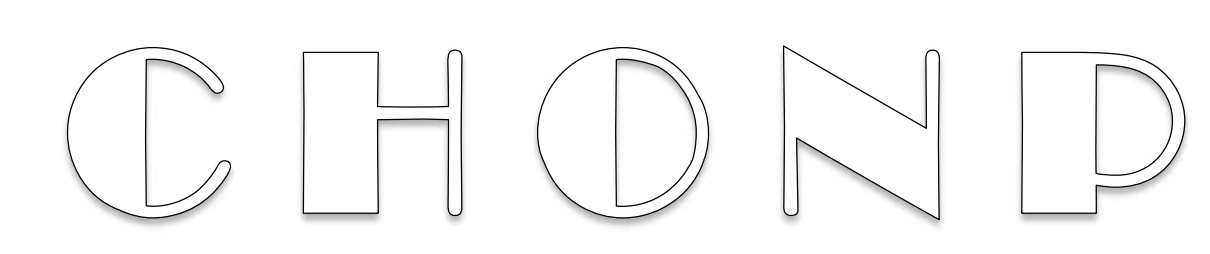
Non-competitive

Nucleic Acids



Tube 1: Glucose
Tube 2: Potato Juice
Tube 3: Cream
Tube 4: Albumin

Function



Structure

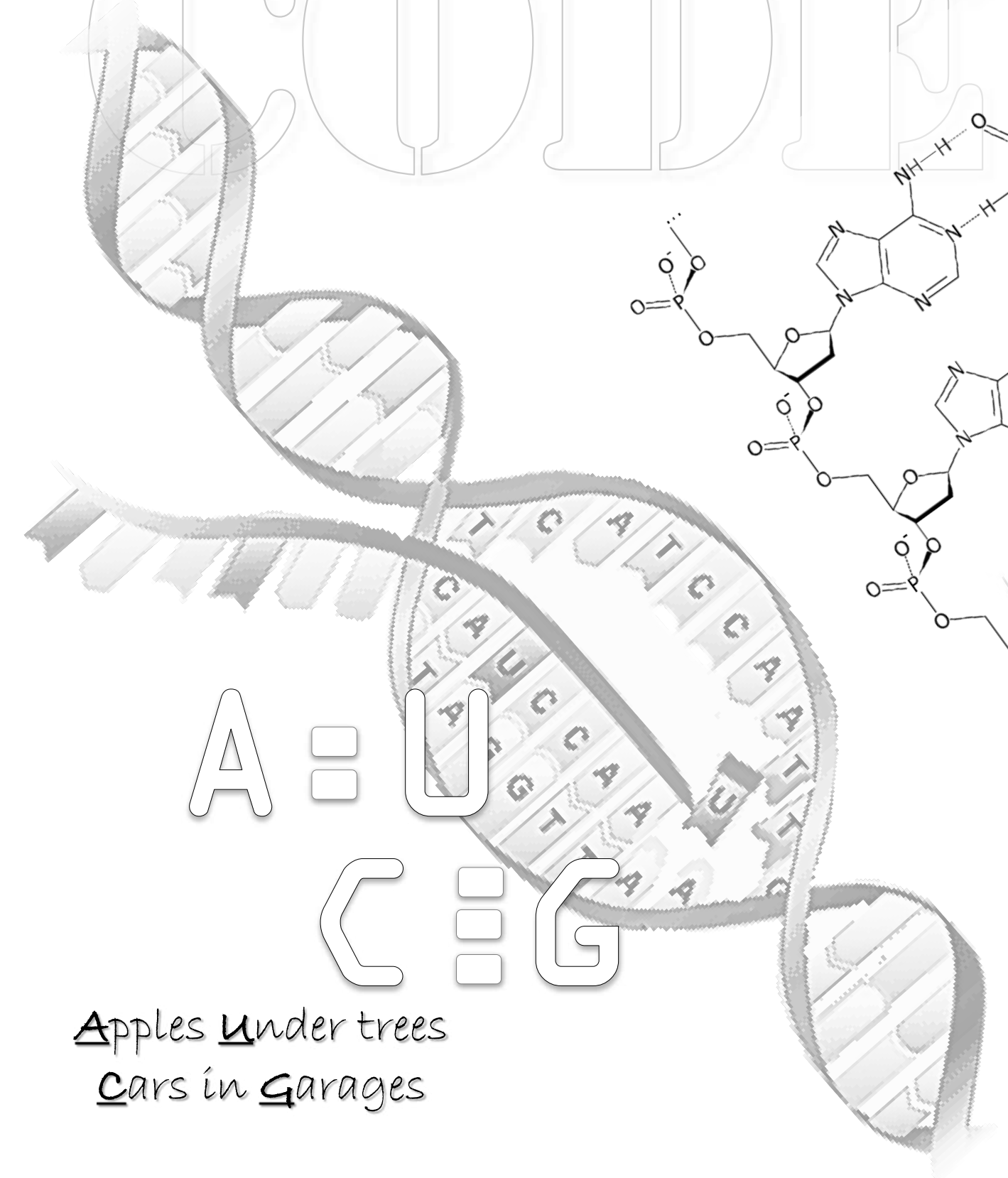
Polymers

Monomer

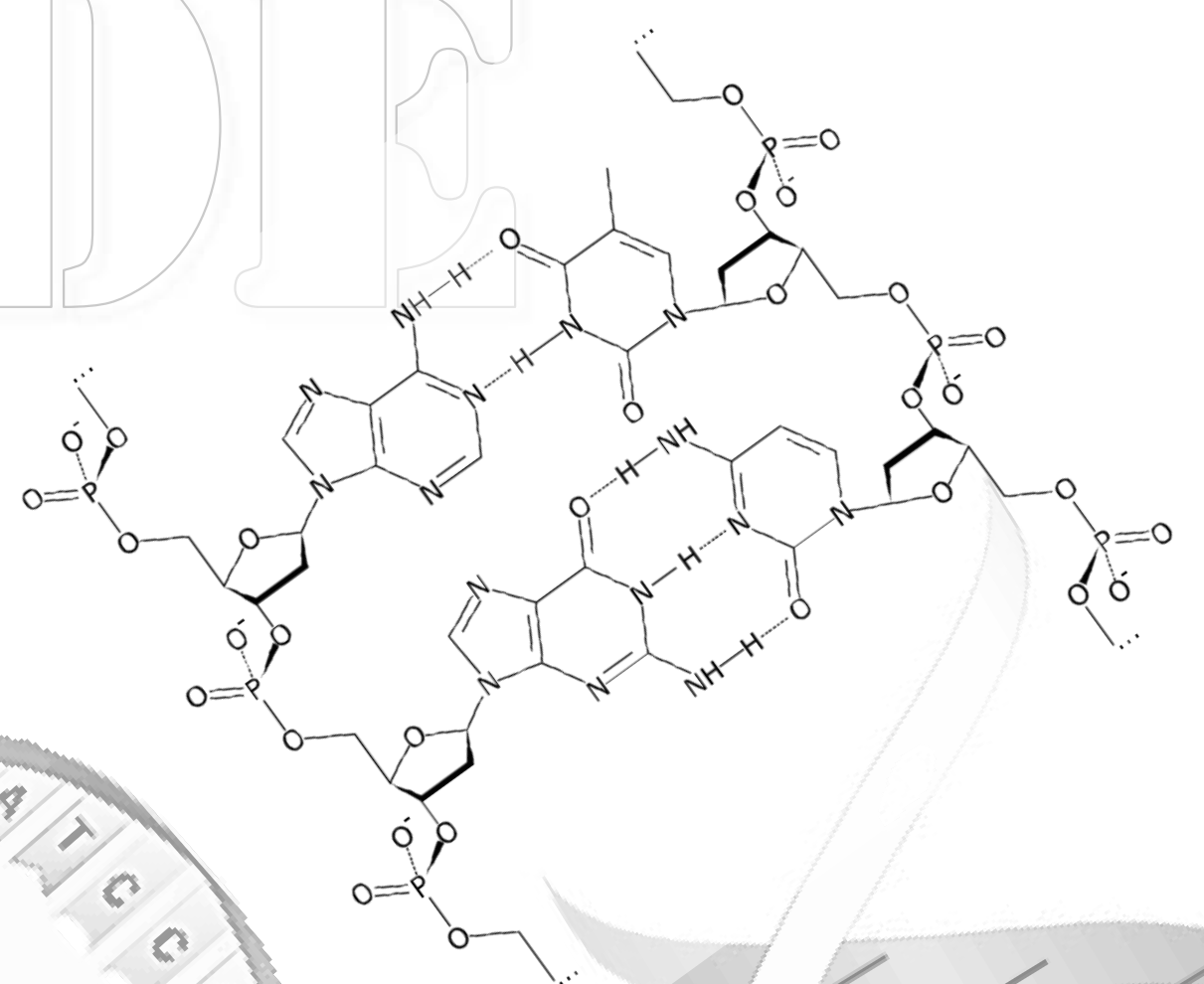
Nucleotide

RNA
Ribonucleic Acid

DNA
Deoxyribonucleic Acid



Apples under trees
Cars in Garages



A = T
C = G
Apples in Trees
Cars in Garages

