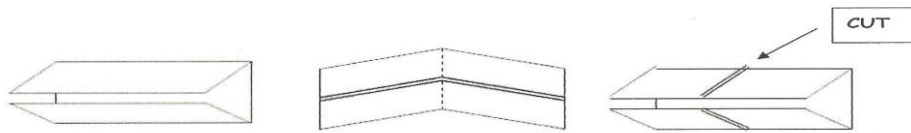# MACROMOLECULE FOLDABLE

Fold and cut a piece of paper as shown below to make 4 tabs.

<u>FRONT SIDE OF TABS:</u>

Tab A
1. Label the tab PROTEIN
2. Sketch, color, & label an AMINO ACID

TAB B
1. Label the tab CARBOHYDRATE
2. Sketch, color, & label a MONOSACCHARIDE molecule

TAB C
1. Label the tab LIPID
2. Sketch, color, & label GLYCEROL W/ FATTY ACID TAILS

TAB D
1. Label the tab NUCLEIC ACID
2. Sketch and color a NUCLEOTIDE

<u>BACK SIDE OF TABS;</u>

TAB A
1. Give **4** FUNCTIONS OF PROTEINS
2. List **2** EXAMPLES OF PROTEINS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND.

TAB B
1. Give **2** FUNCTIONS OF CARBOHYDRATES
2. List **4** EXAMPLES OF CARBOHYDRATES & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND

TAB C
1. Give **2** FUNCTIONS OF LIPIDS
2. List **4** EXAMPLES OF LIPIDS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND
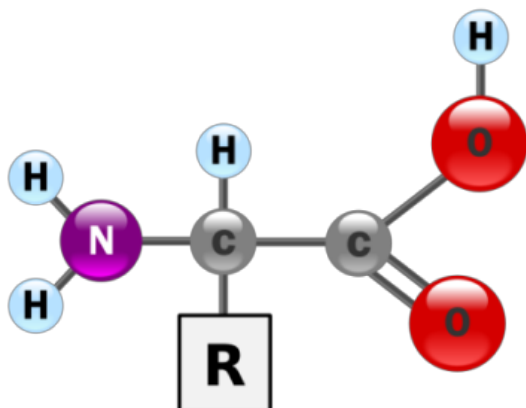
TAB D
1. Give **2** FUNCTIONS FOR NUCLEIC ACIDS
2. List **2** EXAMPLES OF NUCLEIC ACIDS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND

ON THE INSIDE CENTER SECTION, Copy the following statements:
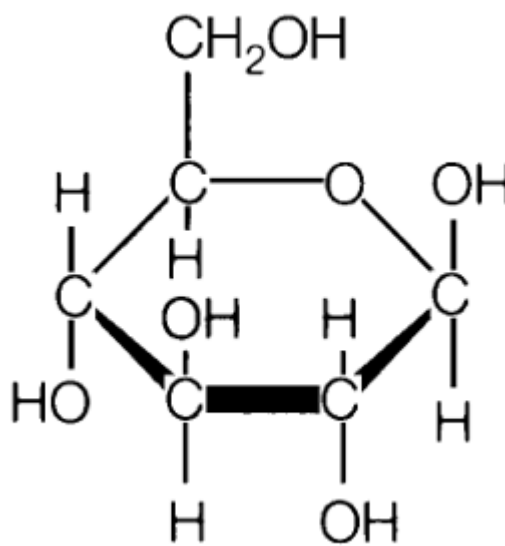- All 4 macromolecules are <u>POLYMERS</u>.
- <u>POLYMERS</u> are large molecules made of repeating subunits (building blocks) called <u>MONOMERS</u>.
- Each macromolecule has a <u>SPECIFIC MONOMER</u> that it is built from.
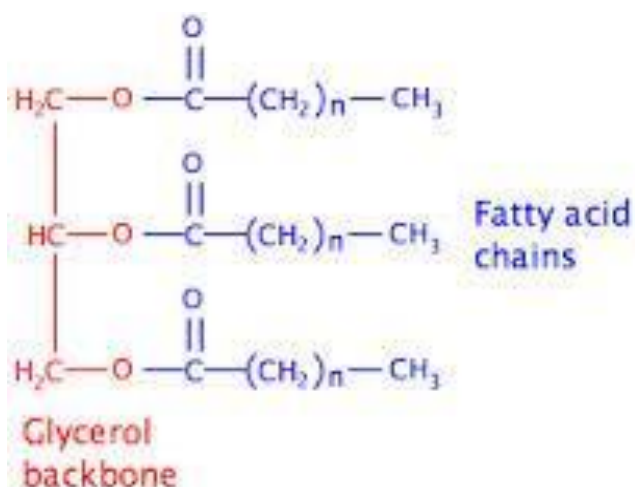
ON THE BACK OF THE FOLDABLE, write your NAME and Section.
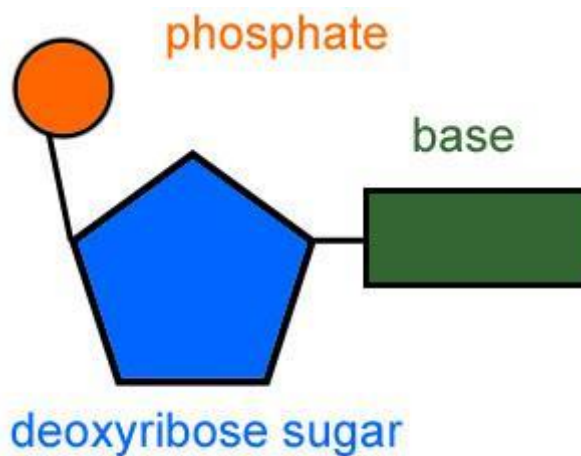
Monomers of the 4 Macromolecules

Amino Acid

Glucose (Monosaccharide)

CH_2OH

Triglyceride
(Glycerol w/ Fatty Acid Tails)

Fatty acid chains

Glycerol backbone

Nucleotide

phosphate

base

deoxyribose sugar

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