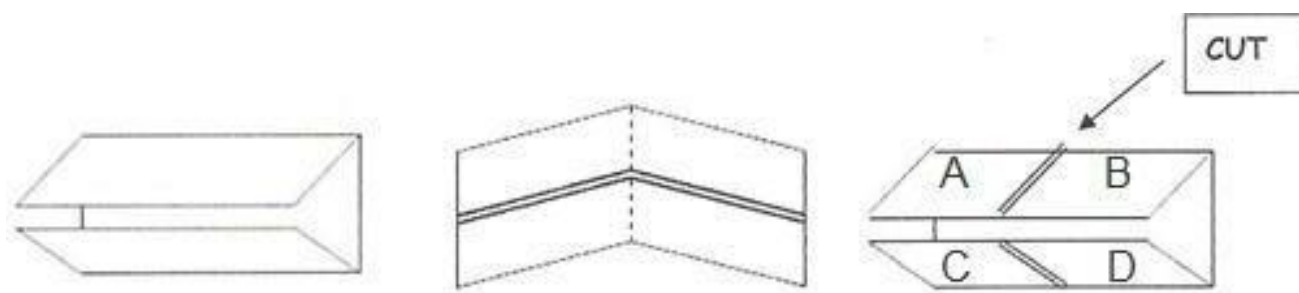


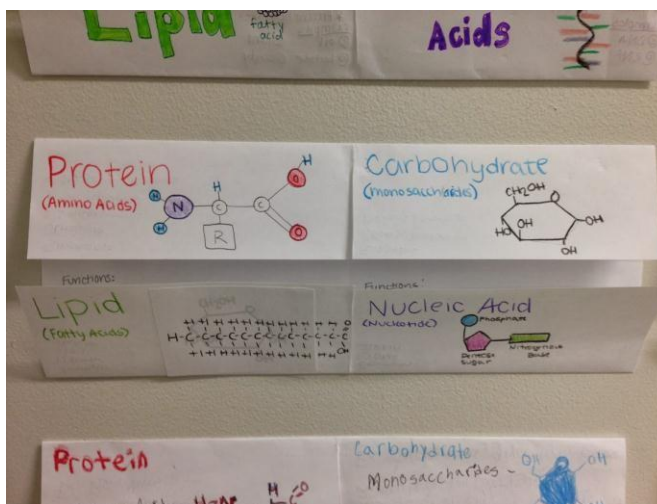
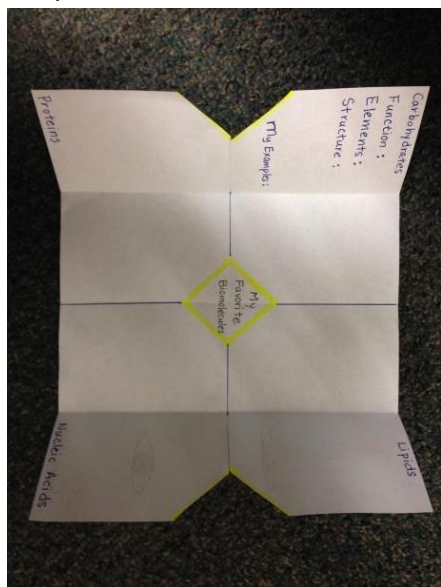
MACROMOLECULE FOLDABLE

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

1. Fold paper hamburger style to find center of paper open paper up
2. Fold outside flaps to center and then fold in half like a book so that folded edges are in the center fold (center of paper)



3. In the center of the paper place a dot with pencil. From the center dot measure 3cm in each direction and place 4 dots around center dot. (the dots should be on the folded lines)
4. Connect the dots so that there is a box around the center dot.
5. Fold the outside edges in and trace the box on outside flaps of paper.
6. Cut out the outside flaps of paper exposing the center box.
7. Within the center box write the word **MACROMOLECULES** and within box define word.



8. Close the book so that there are 4 tabs exposed with the word **MACROMOLECULE** in the center.
9. Label each outside tab

FRONT SIDE OF TABS:

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

BACK SIDE OF TABS:

TAB A

1. Give 4 FUNCTIONS OF PROTEINS
2. Elements:
3. List 2 EXAMPLES OF PROTEINS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND.

TAB B

1. Give 2 FUNCTIONS OF CARBOHYDRATES
2. Elements:
3. List 4 EXAMPLES OF CARBOHYDRATES & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND

TAB C

1. Give 2 FUNCTIONS OF LIPIDS
2. Elements:
3. List 4 EXAMPLES OF LIPIDS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND

TAB D

1. Give 2 FUNCTIONS FOR NUCLEIC ACIDS
2. Elements:
3. List 2 EXAMPLES OF NUCLEIC ACIDS & EXPLAIN THEIR FUNCTION WITHIN THE ORGANISM THEY ARE FOUND

ON THE INSIDE CENTER SECTION, Copy the following statements:

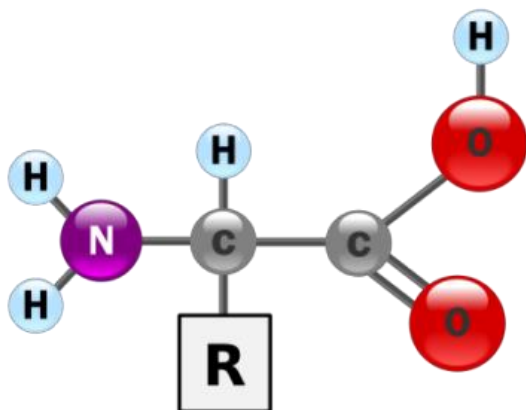
- All 4 macromolecules are POLYMERS.
- POLYMERS are large molecules made of repeating subunits (building blocks) called MONOMERS.
- Each macromolecule has a SPECIFIC MONOMER that it is built from.

ON THE BACK OF THE FOLDABLE, write your NAME and Section.

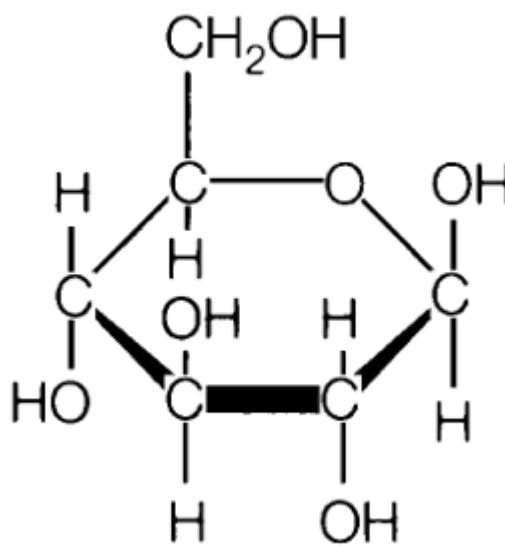
REMEMBER:
You are graded on
neatness and how well
you can follow
directions as well as
correctness 😊.



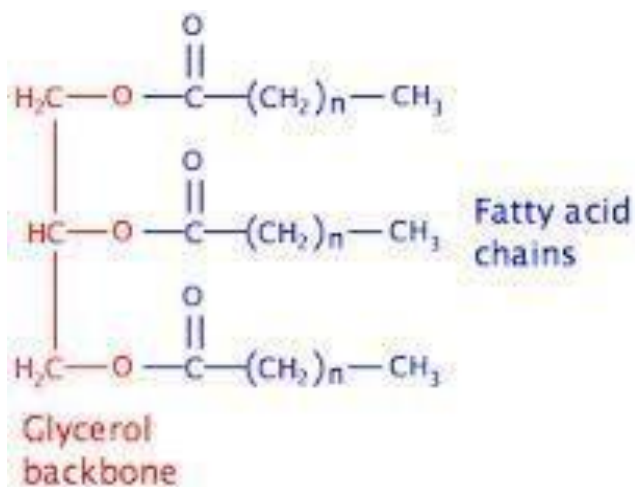
Monomers of the 4 Macromolecules



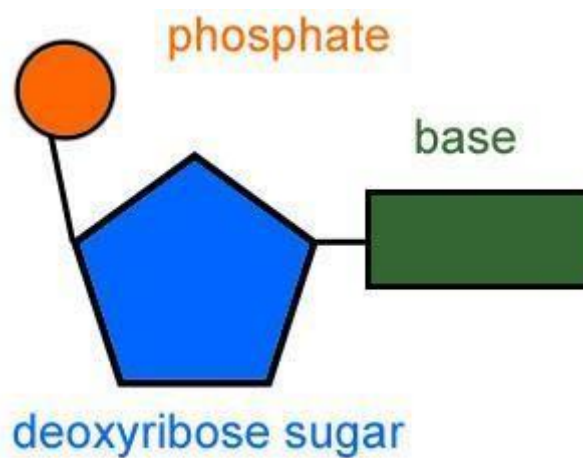
Amino Acid



Glucose (Monosaccharide)



Triglyceride
(Glycerol w/ Fatty Acid Tails)



Nucleotide