

I. WATER (VERY IMPORTANT TO LIVING ORGANISMS)

• WATER'S UNIQUE PROPERTIES MAKE IT ESSENTIAL FOR ALL LIFE FUNCTIONS

- IT IS POLAR, AND HAS BOTH ADHESIVE AND COHESIVE PROPERTIES
- IT HAS A HIGH SPECIFIC HEAT



B. ADHESION-

- BECAUSE OF THE POLAR NATURE OF WATER, IT HAS THE ABILITY TO STICK TO OTHER THINGS
- WATER IS ATTRACTED TO OTHER CHARGED PARTICLES

• EXAMPLE: CAPILLARY ACTION

C. COHESION-

• BECAUSE OF WATERS POLAR NATURE, IT IS ATTRACTED TO ITSELF

- WATER MOLECULES WILL STICK TO EACHOTHER BECAUSE THEY THEMSELVES ARE CHARGED
- EXAMPLE:SURFACE TENSION

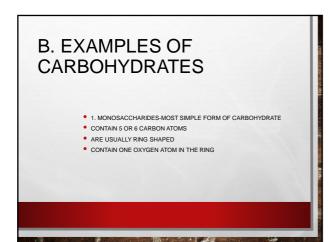
I. ORGANIC COMPOUNDS • A. DEFINITION- COMPOUNDS WITH A CARBON BACKBONE, OR CONTAINING CARBON

B. EXAMPLES OF ORGANIC COMPOUNDS

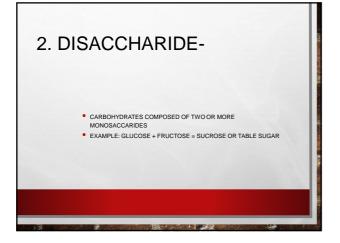
• 1. CARBOHYDRATES

• A. DEFINITION-ORGANIC COMPOUNDS MADE OF CARBON, HYDROGEN, AND OXYGEN

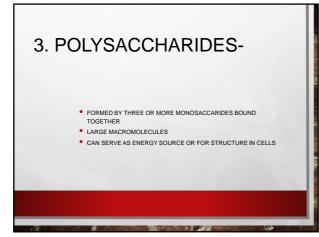
- MOST CARBOHYDRATES CONTAIN 2 ATOMS OF HYDROGEN FOR EVERY 1 ATOM OF OXYGEN
- #1 ENERGY SOURCE FOR LIVING ORGANISMS



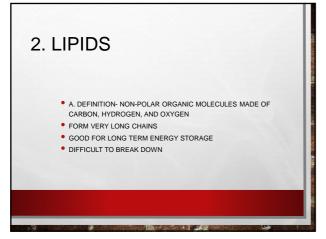




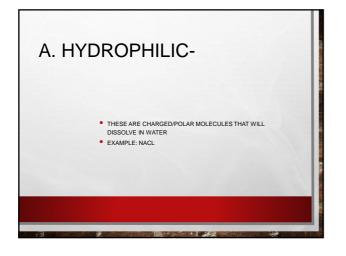


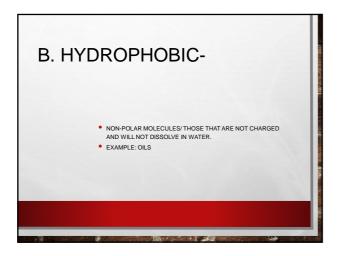


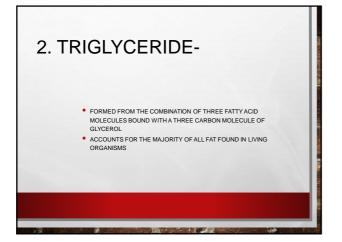






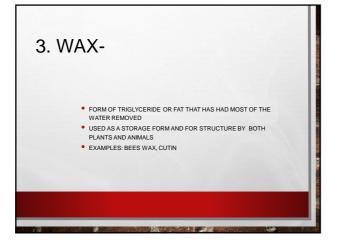






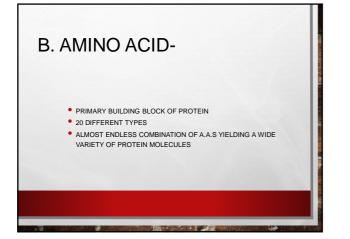


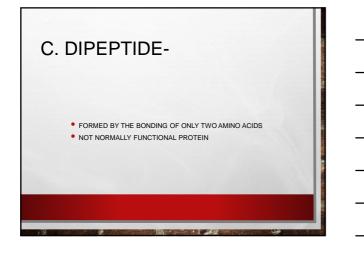


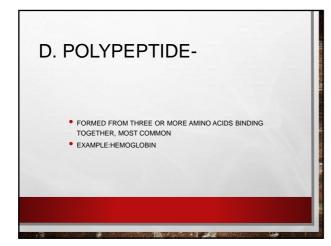


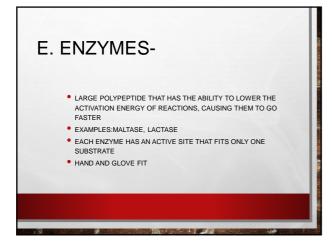
4. STEROIDPricivceride based molecule used by animals as a normalization. Can case reactions to occur within specific cell that a come in contact with

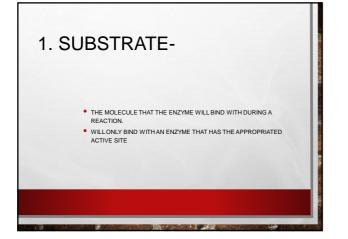
3. PROTEINSA. DEFINITION- LARGE MACROMOLECULES MADE OF CARBON, HYDROGEN, NITROGEN, OXYGEN, AND SULFUR THEIR PRIMARY BUILDING BLOCK IS THE AMINO ACID THEY FUNCTION AS BUILDING BLOCK WITH IN THE ORGANISM OR EVEN ENZYME AND TRANSPORT MOLECULES AVERAGE 200 AMINO ACIDS PER PROTEIN











4. NUCLEIC ACIDS4. DEFINITION- MOLECULES COMPOSED OF NUCLEOTIDES THAT ACR RESPONSIBLE FOR CONTROLLING THE ACTIVITIES OF THE CELL EXAMPLE: DNA, RNA

