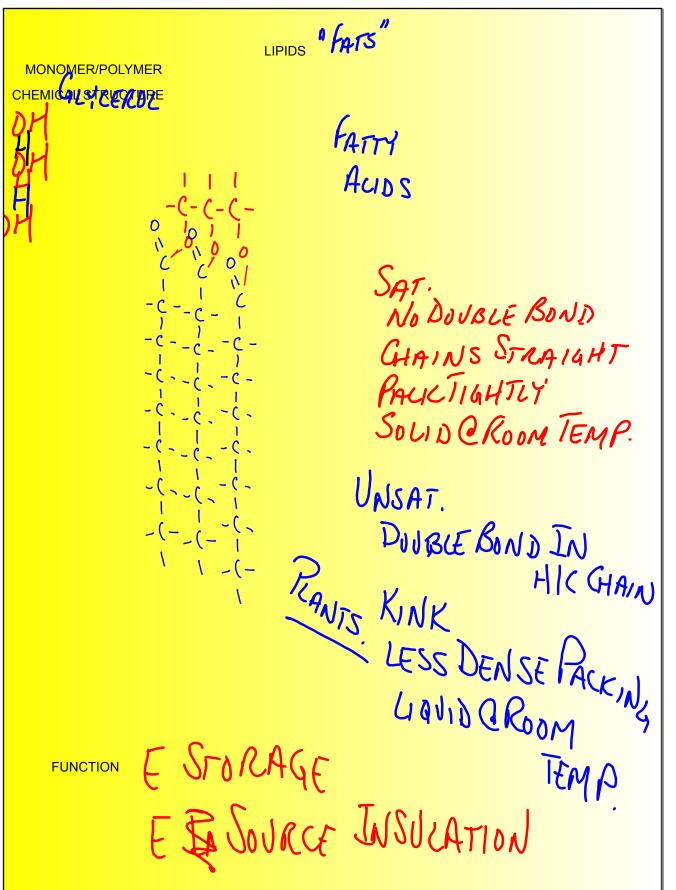
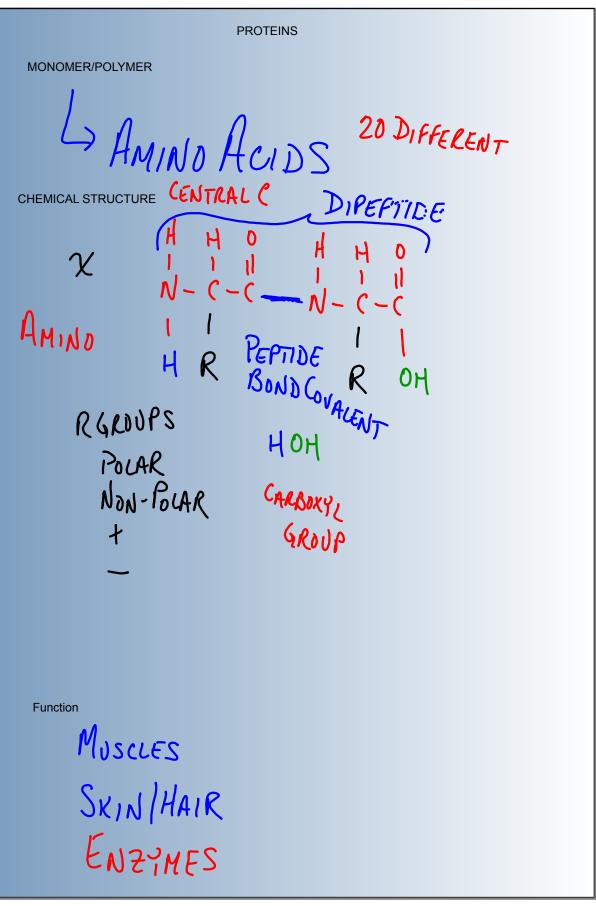
Why is it a carbon-based world?

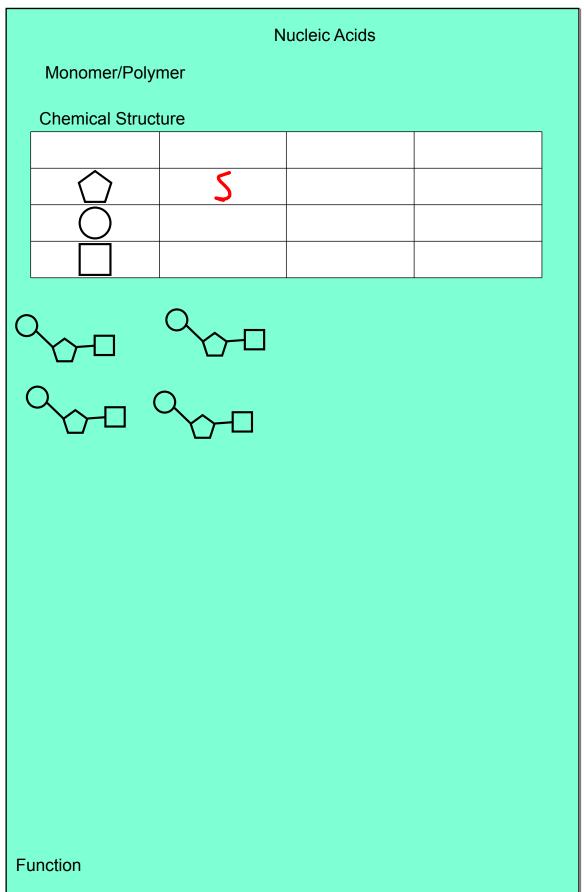
LIVING THINGS HAVE STABLE MOL. CARBON MAKE 4 COVALENT BONDS. PROVIDED GREAT STABILITY & ALSO VERSATILITY MOSTELECTRONEGATIVE ATOM TO DOTHAT.

Carbohydrates 3 SUGARS " 504 MERIPOLYMER POLYSACCHARIDE => STARCH, GLYCOGEN OSÉ CELLULOSE, CHITIN DISACCHARIDES - SUCROSE, LACTOSE SOMER SAME CHEM SAME MONOSACCHARIDES = GLUCOSE, FORM. CHEMICAL STRUCTURE DEXTROSE FUNCTIONAL GALALTOSE GROUPS. KRUCTOSE. - OH HYDROXYL POLAR ENRINGS  $C_{L}H_{12}O_{L} + (H_{12}O_{L} \rightarrow (I_{12}H_{22}))$   $C_{L}H_{12}O_{L} + (H_{12}O_{L} \rightarrow (I_{12}H_{22}))$   $H_{20}O_{L} + (H_{12}O_{L} \rightarrow (I_{12}H_{22}))$ OFTENRINGS 1:2:1 C:H:D CH2DH OCHDOM OH SYNTHESIS Он ЧD OH FUNCTION E SOURCE => GLUCOSE E STORAGE => STARCH & GLYCOGEN (PLANTS) (AppliMALS) STRUCTURE => CELLULOSE & CHITIN

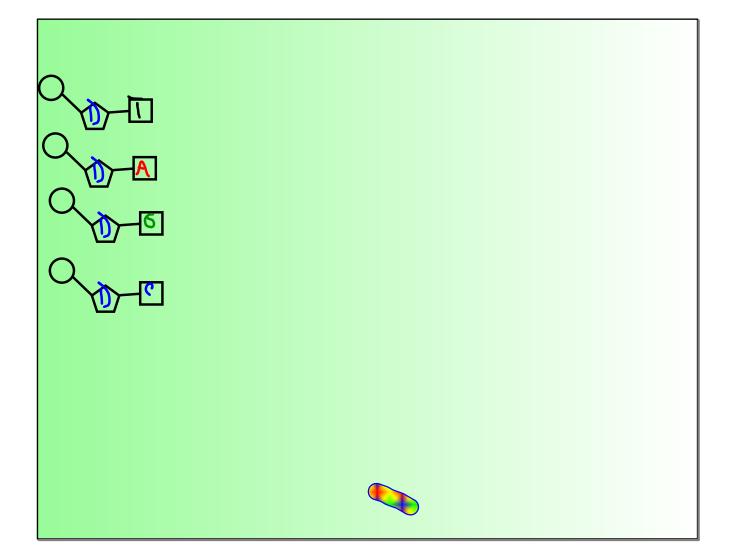




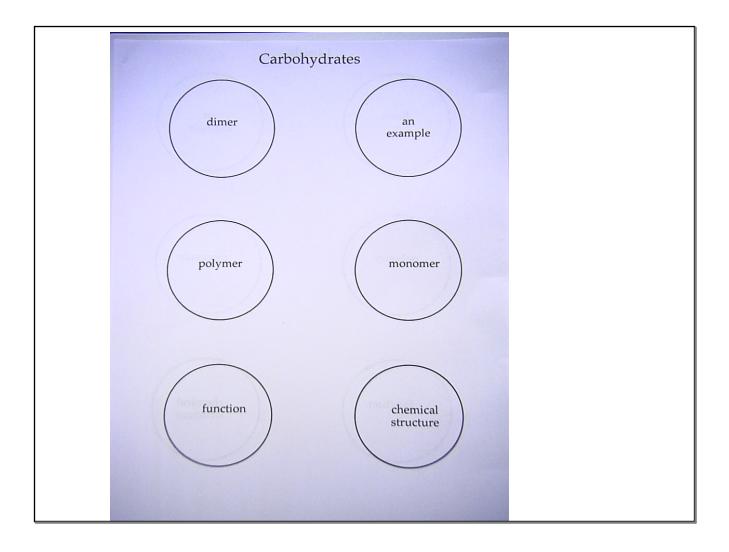
1° PRIMARY STRUCTURE=> LONG CHAIN OF A.A. PEPTIDE BONDED 2° SECONDARY STRUCTURE SFORCES EXERTED BY TOGETHER. NEIGHBORING A.A. RESOLTS IN AN THELIX OR BPLEATEN 3° TERTIARY => FORCES EXERTED BY, SHEET DISTANT A.A. CAUSE THE CHAIN TO FOLD, BEND, TWISTER INTO 3-D FENAL SHAPE 4° QUARTERNARY => A COUPLE DR FEW 3° STRUCTURES COME TOGETHER

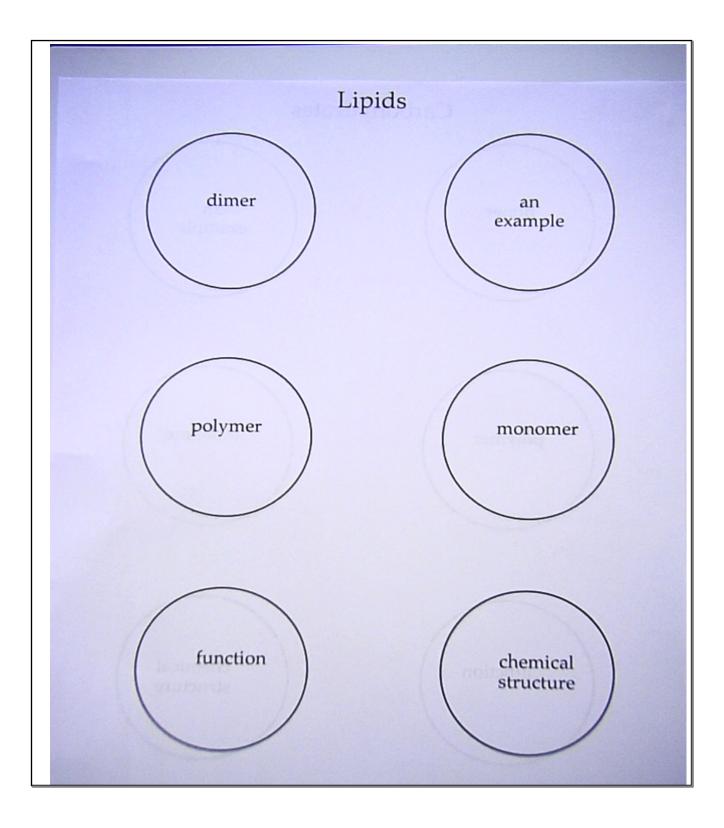


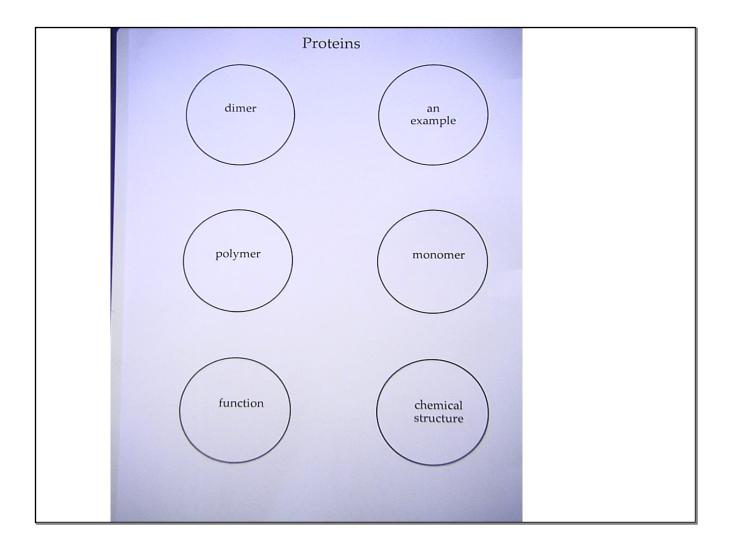
August 27, 2015



Describe the relationship between genes, nucleic acids, amino acids, and proteins







August 27, 2015

