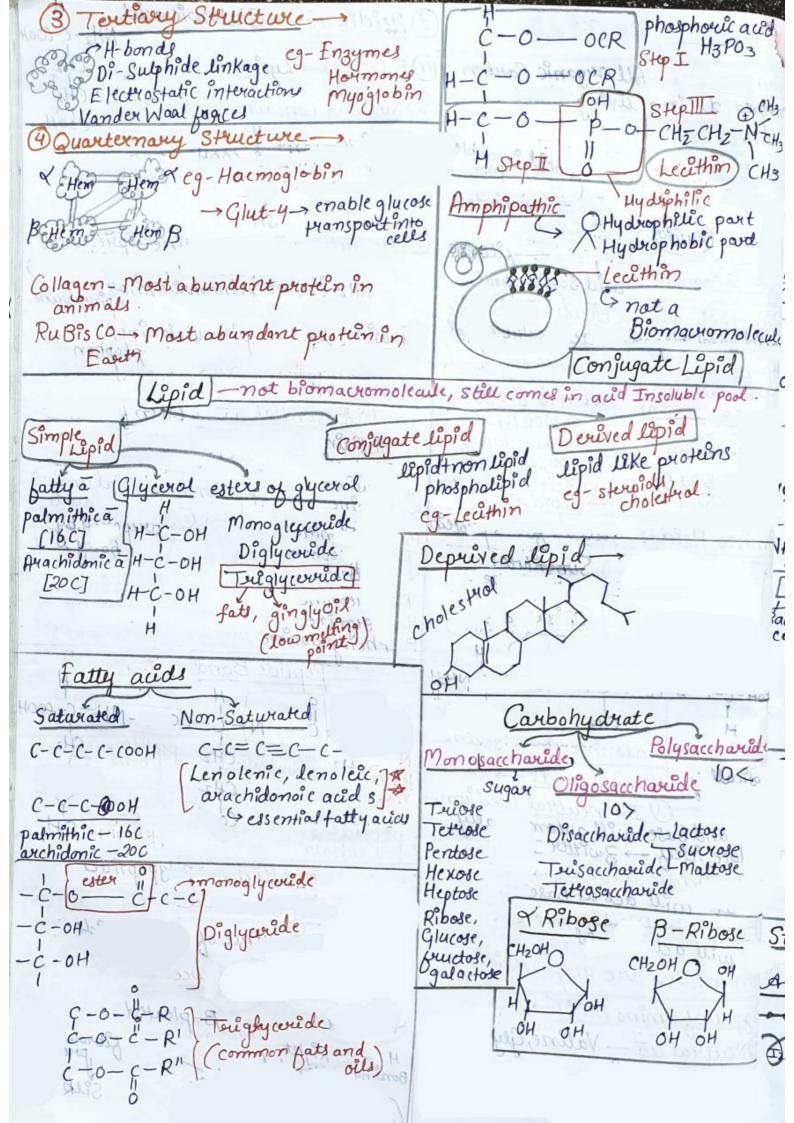
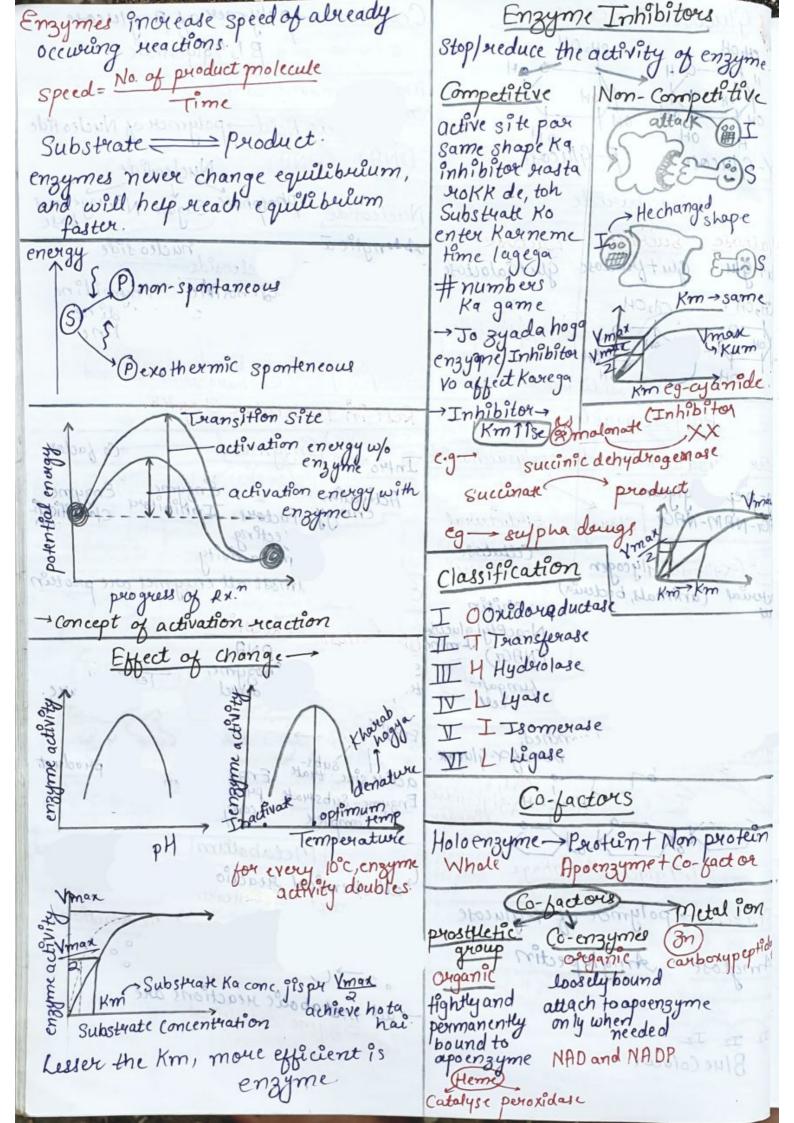
(3) Acidic aa → Glutamic acitl, Biomolecules. NH2- C-COOH 4) Basic aā - Lysine Biomolecules - All organic Carbon CHZ compounds in a living tissue. CHZ (5) Sulphur Containine aa-COOH Experimentcacid- Insoluble Step-2-Cysteine NH2-C-COOH Terchiono-acetica > CC/3 COOH netantate 1 (Kunto) 6) Aromatic aa - Tyrosine - precurson - 6 = filtrak NH2- ( COOH epinephune, nove-epinephune, nove-epinephune. J- any w and Soluble pool. Biomi cromolecule Biomachomolecul →acid soluble pool Tyrosine phenylalanine, Gaud insoluble pool. tecyptophan →ammo acids. -protin -polysaccharide wt - (18-800 Da) → Nucleic aud (8) Essential aa - taken from diet < 1000 Da. mono sachrude H Histidine RNA DNA -Oligo sacchaeude I Isoleucine wt →>1000 Da mudeo tide Non essential amino L Levane -> polymou → lipid \*\* L Lysine 20 aā forms proten -> prepared by Amino Acids m Methionine 1 body D Substituted T Touptophan V valene! methane NH2 - C4 COOH. T Threonine Chiral Carbon Agignine Phenylalanine Peptide Bond NH2-C-COOH NH2-C-COOH NH2-C-COOH CHZOH -N-C-CO-NH CH3 serine Glycine alanine peptide water. CHZ dehydrati-CH2 termi-H optically machive Amino acids -In neutral Medium-CHZ nal and base will automatically COOH peptide terminal OH chain reduce itself -> Zwitter Ion (2) In Acidic Medium protein - polypeptides It will act as base 3) In Basic Medium-Deumary Structure -> It will act as acid. linear sequence of ammo acids Amino Huds are ampho teric in nature. 2) Secondary structure per of Amino Acids-(B-pleated) Y-Helix) () Neutral aā → Valine, Glycine, Alanine Librous tien H Right Bombing Hand Handed (2) Alcoholic aā → Serine Helix (Keratin)



Glucose -- Hexose Cellulose - polymer of B-glucose CH2OH B1, 4 glycosidic. CHOH Most abundant Carbohydrate - Cellalose Nucleic Acid - polymer of Nucleo tide 4-Glucose B-Glucose (RNA) Nucleotide phosphate Sugar Nitrogenous Disaccharide Nucleotide Nucleoside nucleo side Sucrose Maltase Lactose Adenylica glut fruitose Thymidylic a glut Galactose Adenosite Thymidine y wanylic a CH2OH Cytodine CH2OH Quanosine cytidylica widine widylic a bond phosphodiester bond Characteristic bond gligiosidic bond Rest in Molecular Chapter. Polysaccharide Heteropolysaccharide Homopolysaccharide nzymes > Co-factor Intro Enzyme InHibitory eg-peptidoglycan Activation Enzyme Factory NAGI-NAM-NAGI Structural enzy ne activity "Cellutose (xglucose) Glycogen (B-glucose) Enzyme almost all enzymes are protein Bacterial (animals, bacteria) > Chitin exception (olglucose) Starch N-actyl gluck Biocatalyst (NAGT) RNA, Sensetive to Ribonuclease Tentiarie > Inulin temp and PH. bungalt (Dahlia) stutture (fructose) Glycogen - Highly branched, polymer of 4- glucose product Enzymeproduct H-C-H glycosidic Enzyme-Substrate Complex > Chranch) Metabolism ~1,4 glycosidic linkage all chemical reactions in the body are called metabolic reactions Starch -> polymer of 9-glucose anabolic reactions Catabolic reactions Amylopedin Amylose all metabolic reactions are enzyme catalysed. 可可可 Blue Colows



Primary and Secondary Metabolites primary metabolites have identifiable functions and play known soles in normal physiological processes.

Secondary metabolites do not aid directly in the growth and development of plants but are required for their survival in environment.

Some Secondary metabolites have ecological importance. Some Secondary Metabolites→ pigments - Corotenoids, anthocyanins. Alkaloids - Morphine, Codeine Terpenoids - Monoterpenes, Diterpenes. Essential Oil - Lemon grassoil. Toxins - Abeun, Ricin Lectins - Concanavalin H Drugs - Vinblastin, Cwicumin... Polymeric substances - Rubber, gums, cellulose The living state is non equilibrium steady-state to be able to perform work. Without metabolism no living state. 11: 4.5-5.0 mM & Hormones - nanograms ml. Blood conc. in normal Healty person Like, Share, Subscribe NEET SLAYER EONO