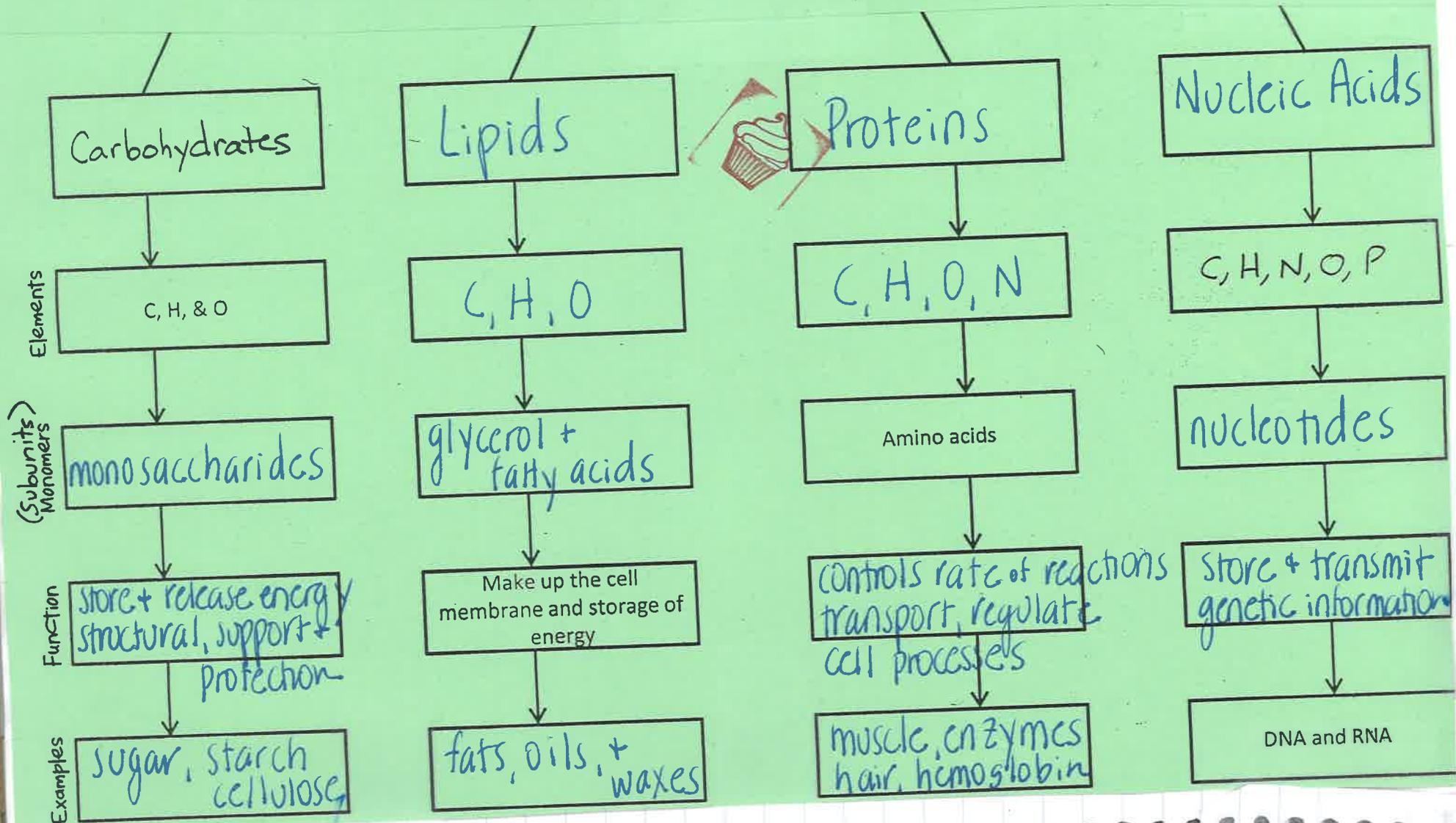


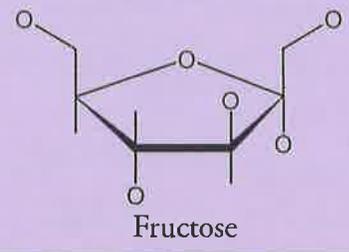
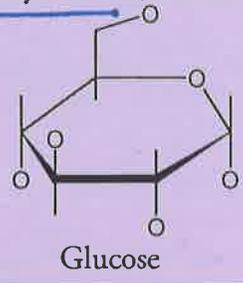
Macromolecules of Living Things



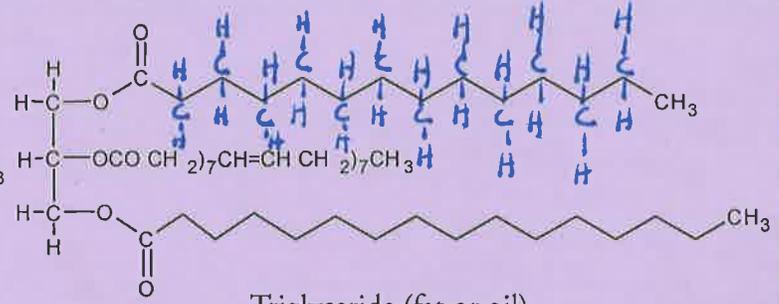
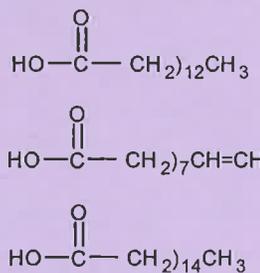
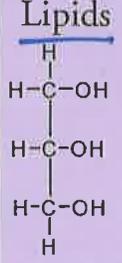
Biological Molecules or Macromolecules of Living Things

Model 1 - Molecules of Life

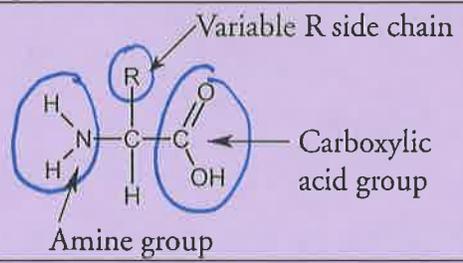
Carbohydrates (monosaccharides)



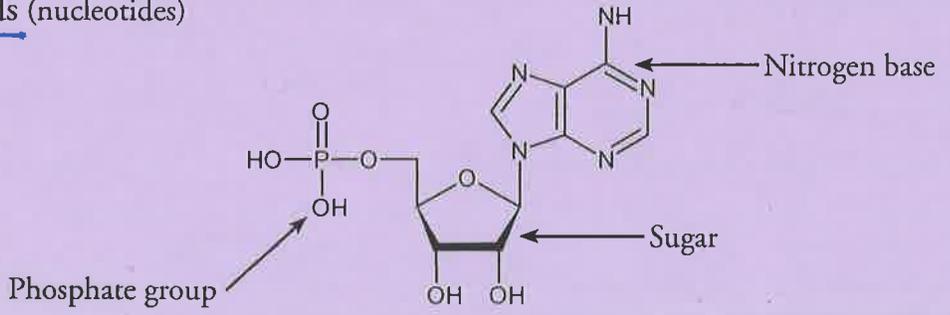
Lipids



Proteins (amino acids)



Nucleic acids (nucleotides)



Key Concepts: Carbon Compounds

Carbon can bond with many elements - including H, O, P, S, N - to form compounds 'with' many different chemical properties.

Carbohydrates - Organisms use carbohydrates to store and release energy, as well as for structural support and protection.

Lipids - can be used to store energy, and they form important parts of biological membranes and waterproof coverings.

Nucleic Acids - store and transmit hereditary, or genetic, information.

Proteins - function to control the rate of reactions and regulate cell processes. Other proteins form important cellular structures while others transport substances into or out of cells or help to fight diseases.