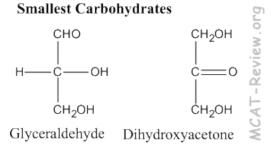
Biochemistry Year 2- Study Notes

Carbohydrates

Classification Of Carbs

- One carbon has carbonyl group
- Contain at least 3 carbon atoms
- Other carbons have a hydroxyl group
- Formula: (CH20)n
- Structure of the smallest carbs



- Classification of Carbs
 - > Chemistry:
- How many atoms they contain
 If sugar is an aldose the carbon of the first carbon, Ketose has carbonyl inside the grain
 Scan

Size:



3. Non Starch Polysaccharides (NSP)

Or:

- a) Polysaccharide (8+)
- b) Oligosaccharides (2-8)
- c) Monosaccharides (1)

Or:

- i. 3 Carbon-Triose
- 4 Carbon-Tetrose ii.
- 5 Carbon-Pentose
- iv. 6 Carbon- Hexose
- 7 Carbon Heptose

Functions of Carbs

- Primary source of energy in most organisms
- Energy storage as starch/glycogen (Humans have glycogen stores for emergencies)
- Precursor molecules for biosynthetic pathways
- Act as structural components e.g. cellulose
- Necessary for formation of collagen
- Preform informational role on cell membranes