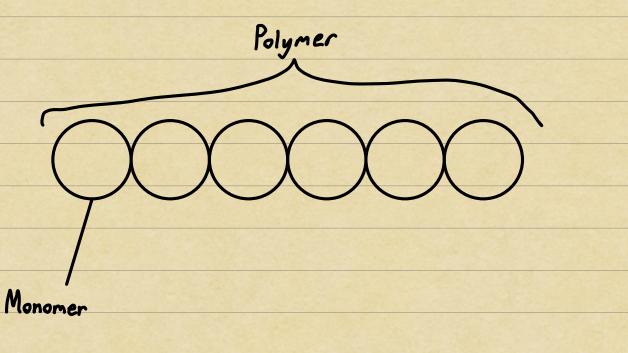
# Carbohydrates (Muhammad Moosa)

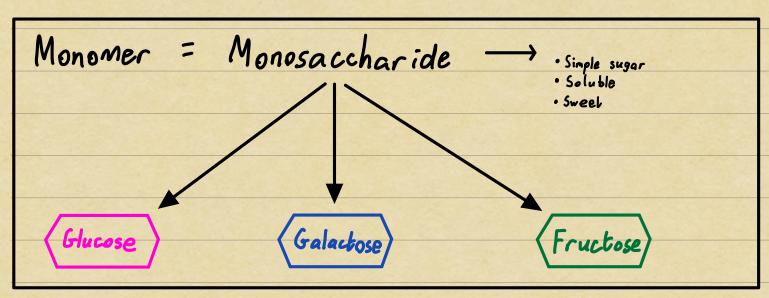


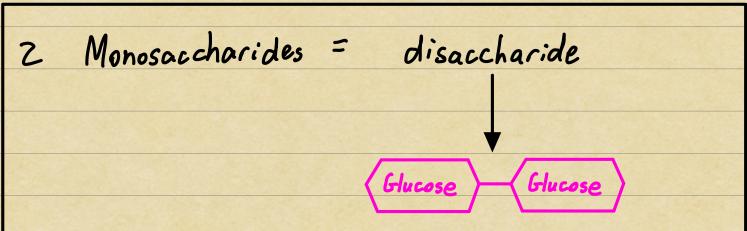
- · The smallest subunit is called a monomer.
- · Several monomers = polymer
- · Polymers characterized by a specific structure owing to the chemical bonds formed.
- · Structures related to the Function of the compound.

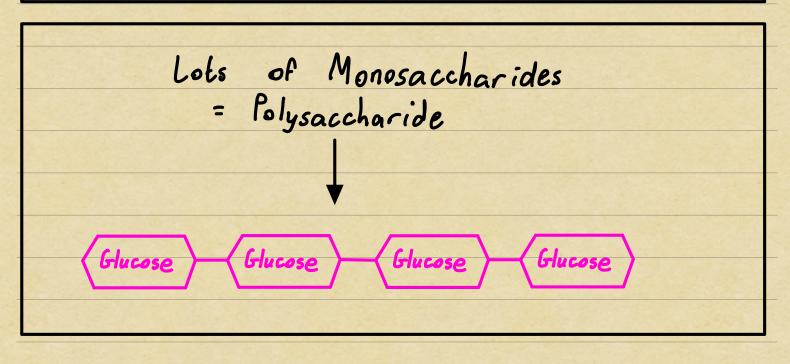
Elements in Carbohydrates:

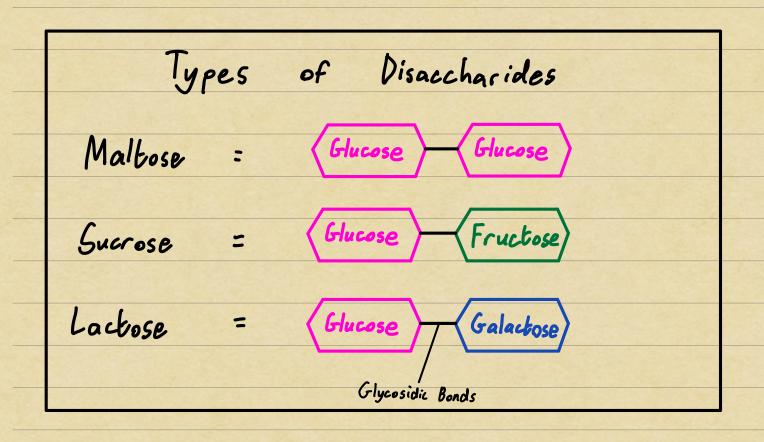
Oxygen Carbon Hom

#### Structural Composition:









## Examples of Polysaccharides

Starch :

Glycogen:

Cellulose:

Found in plants

## Role of Carbohydrates:

- · Energy sborage and substrate for energy production.

  1 g = 17 kJ
- · Main source of fuel for cellular respiration.
- · Source of reserve energy.

#### Carbs in food:

Monosaccharides

Honey, glucose
Sweets

Cane sugar, milk
, sugar

Polysaccharides

Polysaccharides

Polysaccharides

Polysaccharides