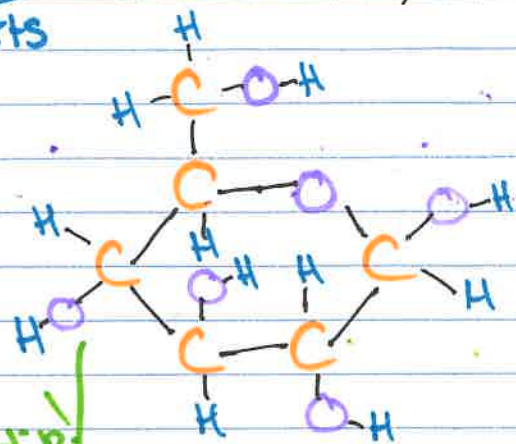


Carbohydrate Notes: Monomer $C_6H_{12}O_6$
carbon hydrogen + oxygen

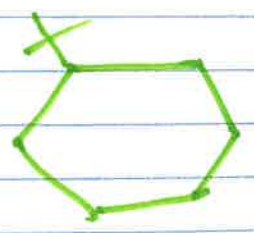
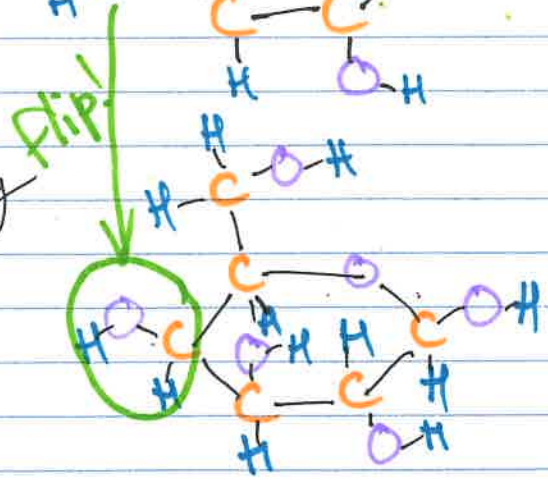
Monosaccharide: Single ring sugar, Monomer of carbohydrates, 3 kinds
one sugar

Isomer: Same formula, different structure.
same parts

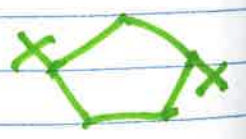
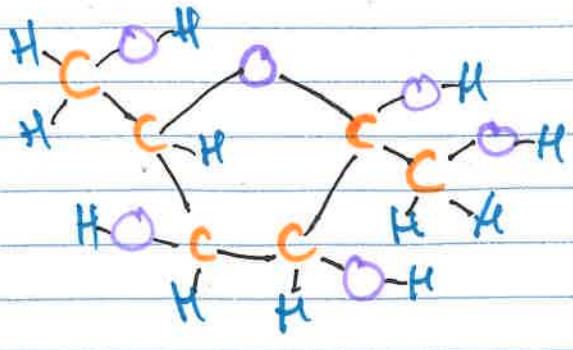
Glucose
- Single ring
- 6 sides
- 1 branch



Galactose
- Single Ring
- 6 side
- 1 branch

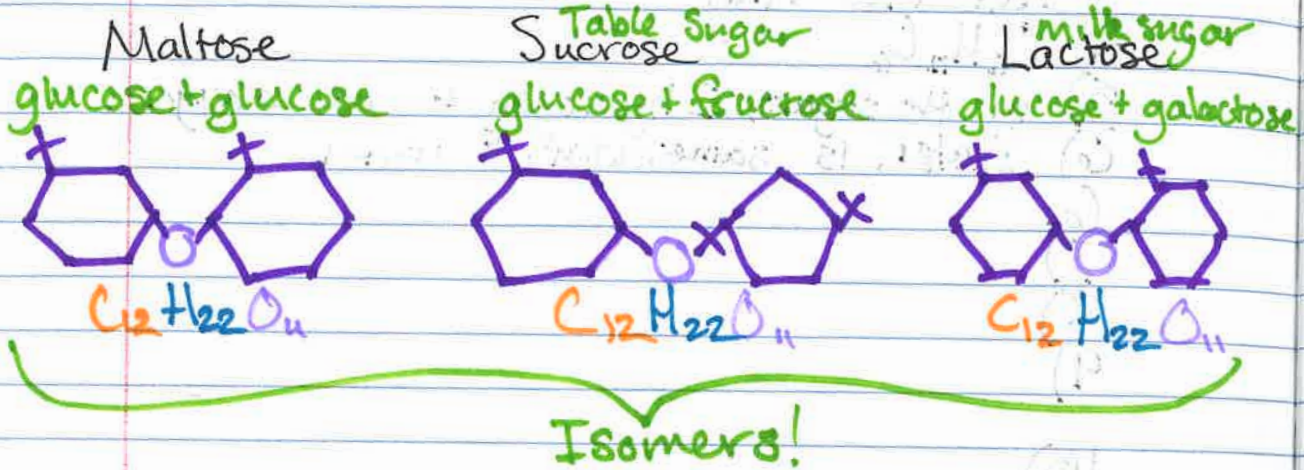


Fructose
- Single ring
- 5 sides
- 2 branches



Carbohydrate Notes: Polymer

Disaccharide: double ring sugar, made of 2 ^{Sugar} monosaccharides, using dehydration synthesis. **Quick Energy**



Polysaccharide: sugar w/ more than 2 rings.
^{many} ^{sugar} Built w/ dehydration synthesis,
Stored energy & structure

	Plants	Animals/Fungi
	Cellulose	Chitin
Structure support	<ul style="list-style-type: none"> - gives cell walls structure - Fiber! - Super hard to digest 	<ul style="list-style-type: none"> - exoskeleton of insects crustations - gives form to animal cells - cell walls of fungus
Stored Energy	Starch	Glycogen
	<ul style="list-style-type: none"> - potatoes, grains, seeds - energy to grow a new plant 	<ul style="list-style-type: none"> - in muscles - a richer to access than fat