

Carbohydrates

monosaccharides
eg
glucose, galactose, Fructose

Disaccharides
eg
sucrose

polysaccharides
eg
starch, cellulose, glycogen

Isomers

stereoisomers (spatial isomers)
- Same molecular and structural formula but different in configuration of atoms in space

constitutional (structural) isomers
- same molecular formula but different in structural formula
eg: glucose and fructose

Enantiomers: two stereoisomers that are mirror images to each other but not superimposable.

Enantiomers also stereoisomers that differ in configurations of atoms at all chiral center.

Epimers: stereoisomers that differ in configurations of atoms at only one chiral center.