

The ~~A bond~~ glycosidic ~~bond~~ ~~is~~ formed between a hydroxyl group attached to the anomeric carbon atom of ~~a one~~ monosaccharide and any hydroxyl group ~~on of an~~ other monosaccharide.

Consequently, ~~the formation of a~~ disaccharide ~~formation of by~~ two identical D-series

hexopyranose ring structures ~~results~~ in 11 different isomers. ~~Of these, In eight of isomers,~~

~~the form a~~ glycosidic linkage between C-1, C-2, C-3, C-4, or C-6 of any other pyranose

residue in either the α - or β -anomeric configuration. ~~[e.g., α -D-(1 \rightarrow 2) linkage, and β -D-~~

~~D-(1 \rightarrow 3) linkage]s, etc., where α and β ~~indicate denote~~ the anomeric configuration ~~with at~~ C-~~

1. The three other isomers are ~~created formed~~ by acetyl formation between the two C-1 atoms

~~by through the~~ glycosidic oxygen atom in ~~either~~ the $\alpha, \alpha;$ ~~the $\alpha, \beta;$~~ or ~~the β, β~~ configuration.

A similar series of 11 isomers ~~results is formed~~ if the two identical ~~residues of~~ hexopyranose

~~residues~~ are ~~of the~~ L-series. The number of isomers can be increased by including furanose

forms. However, in the case of non-identical monosaccharides, the number of isomers formed

is more ~~as because~~ the carbohydrate residues can occupy the first or ~~the~~ second position, i.e.,

the disaccharide could be ~~either~~ reducing or non-reducing in nature. The addition of

carbohydrate residue ~~brings a great~~ increases ~~the number of in~~ possible isomers.

Comment [A1]: A comma is used after transitions words (such as moreover, however, consequently) when used at the start of the sentence.

Comment [A2]: Ensuring that the subject and verb agree in number is essential for grammatical accuracy. Both the subject and verb need to be singular or both need to be plural. Here, as the subject is singular (formation), the verb should also be singular (results).