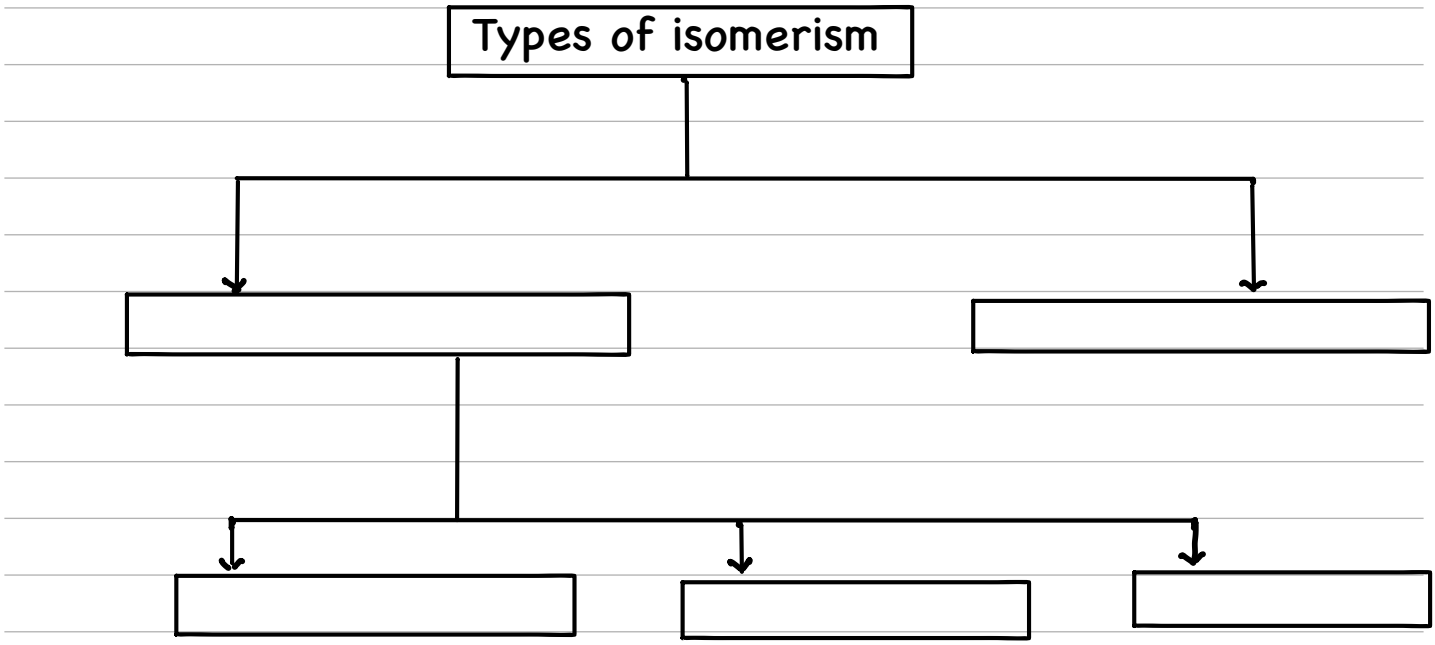
Chapter 12
Isomerism

☆ **Definition**

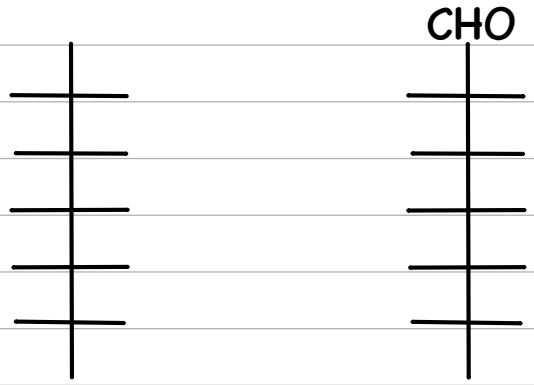
Label vant haff rule -



☆ Ennantiomerism

Rotation of H/OH at -

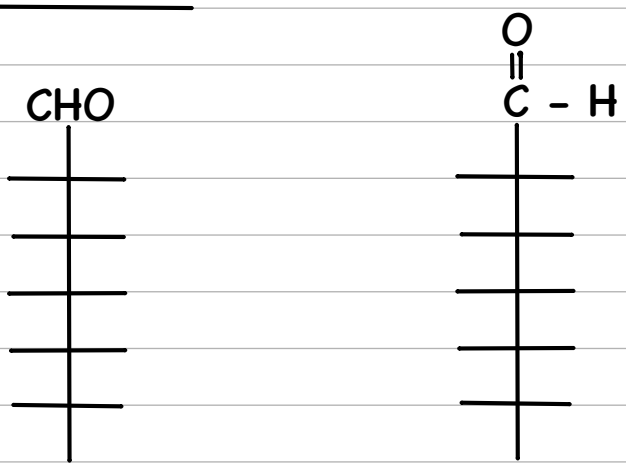
Denoted via -



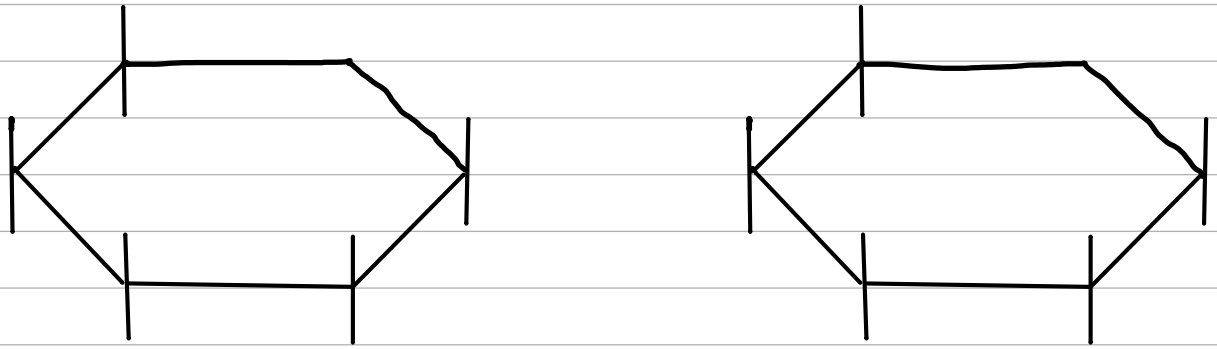
Glucose Glucose

☆ All carbohydrate are mainly found in …… form, except ……
Which is found in …… form.

☆ Anomerism



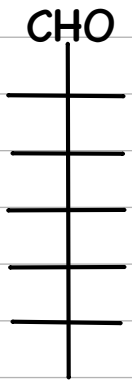
Glucose



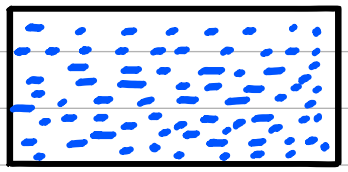
H/OH rotation at -

Denoted via

☆ Epimerism



Optic isomerism

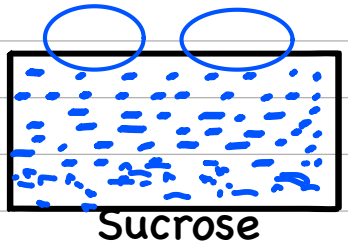


Plane polarized
Light

Glucose is mainy found in -
Fructose is mainly found in -

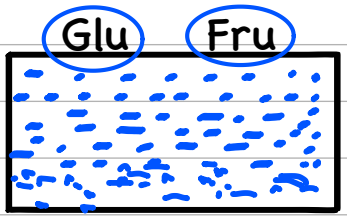
Sucrose =





Sucrose





So Sucrose is a example of

Summary

Isomerism	Rotation at carbon number	Denoted via
Ennantiomerism Anomerism		

☆ Glucose and mannose are ……at ……carbon.
☆ Glucose and galactose are ……at ……carbon.
☆ Example of invert sugar -