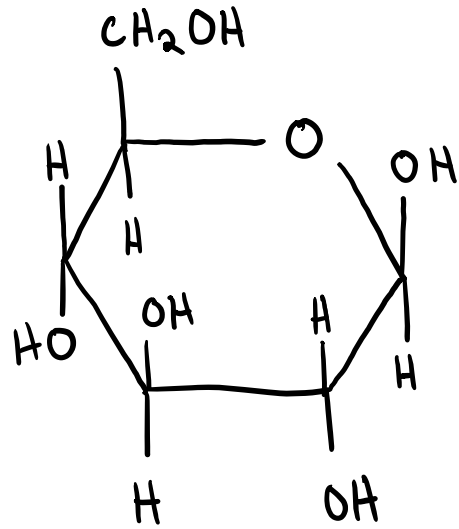


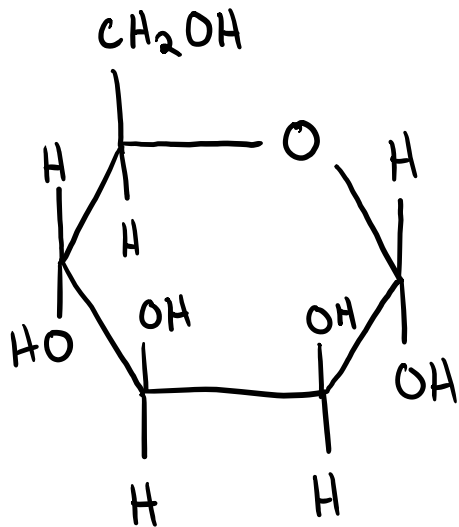
Reactions of Carbohydrates

4/17/2023

Chair Structures of Pyranoses



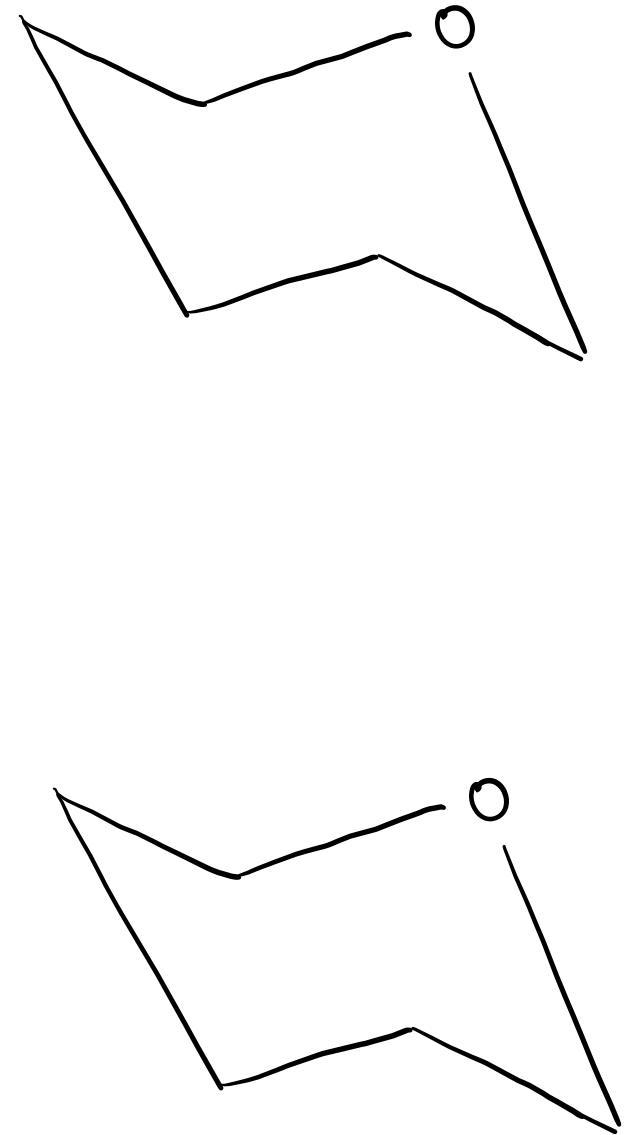
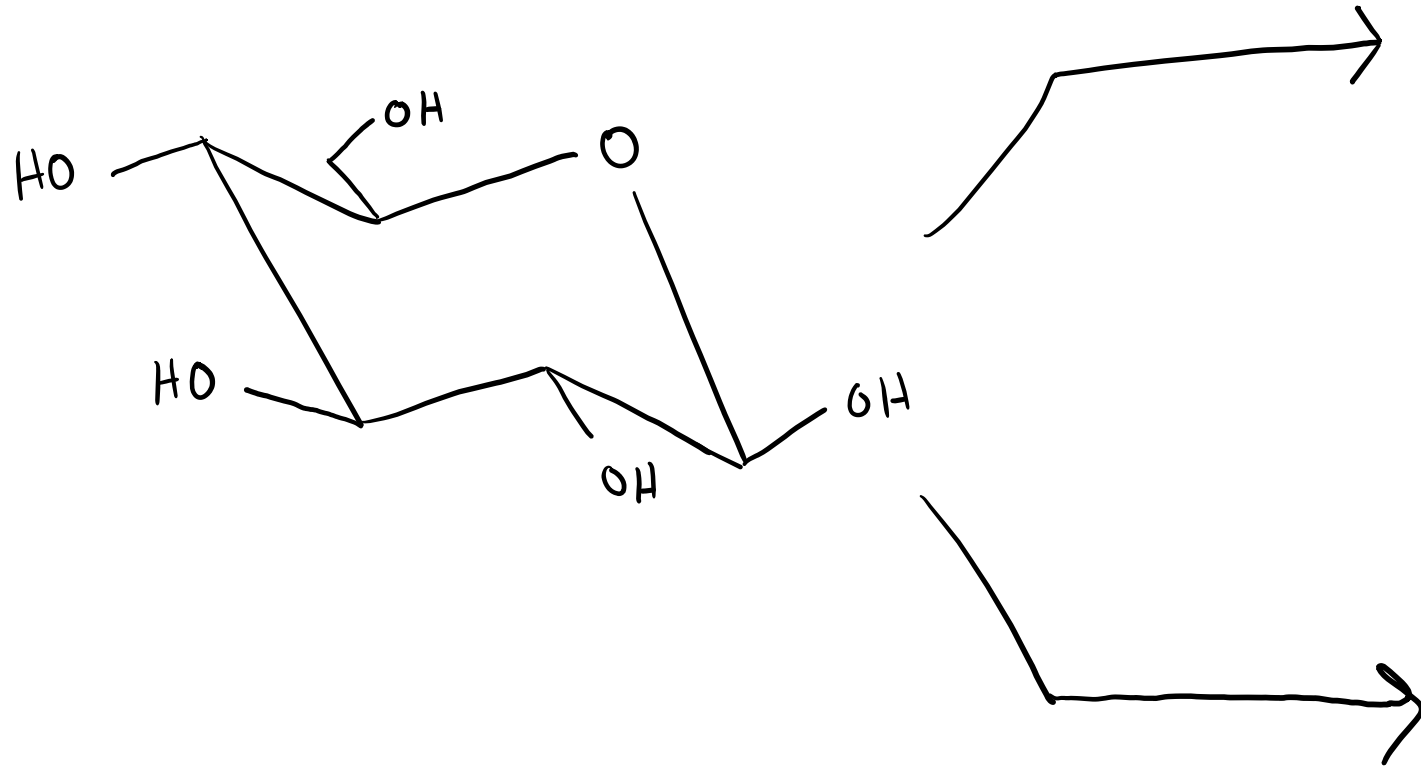
β -D-Glucopyranose



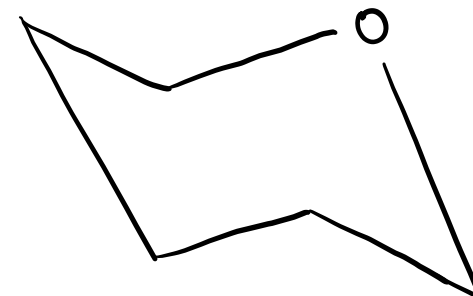
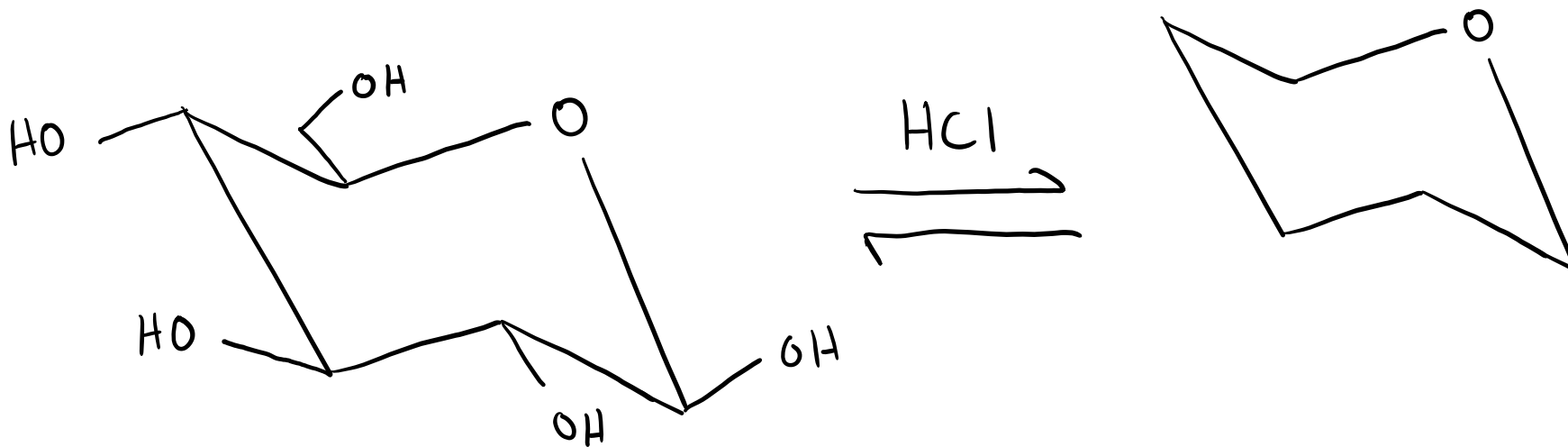
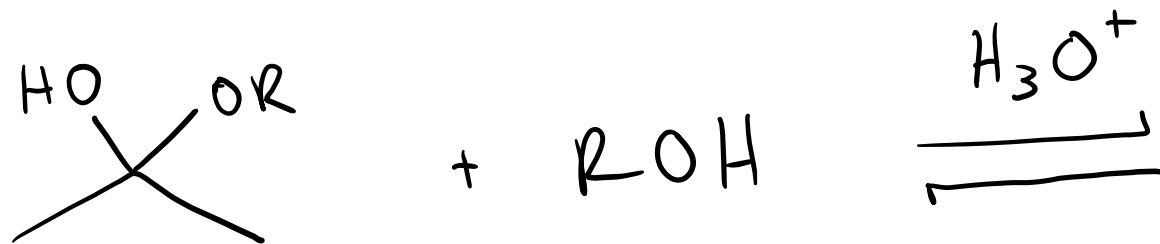
α -D-Mannopyranose

Reactions of Carbohydrates

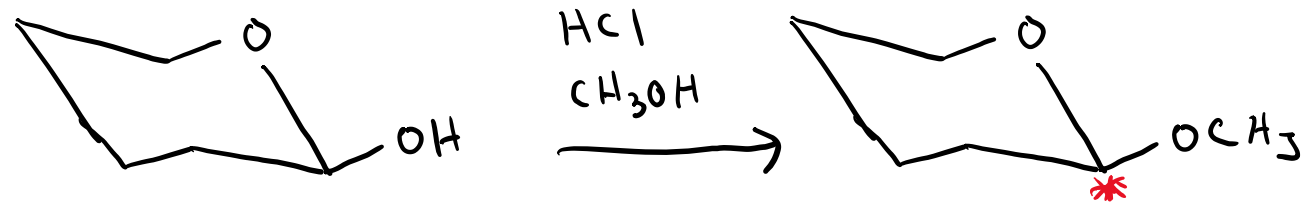
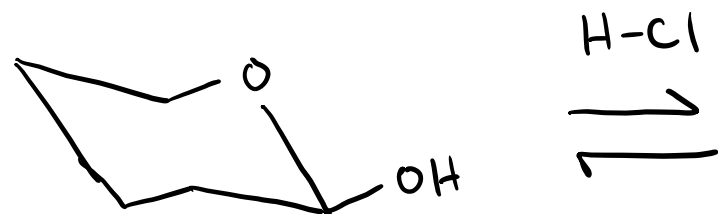
(24.6)



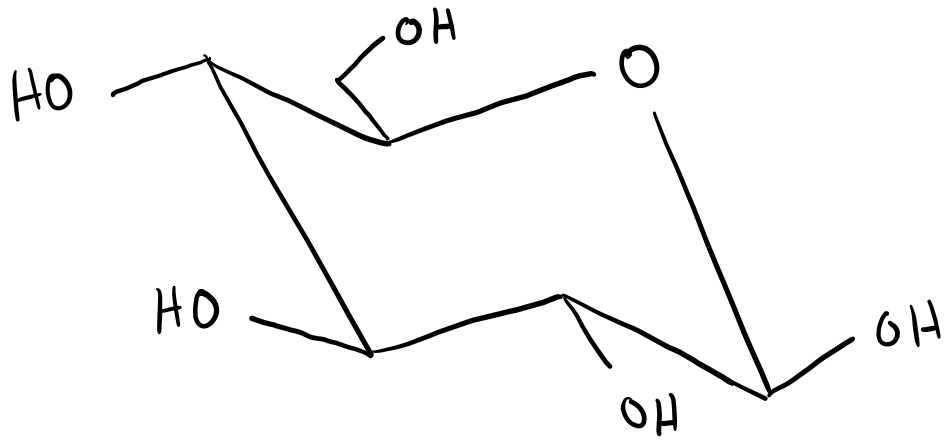
Glycoside Formation



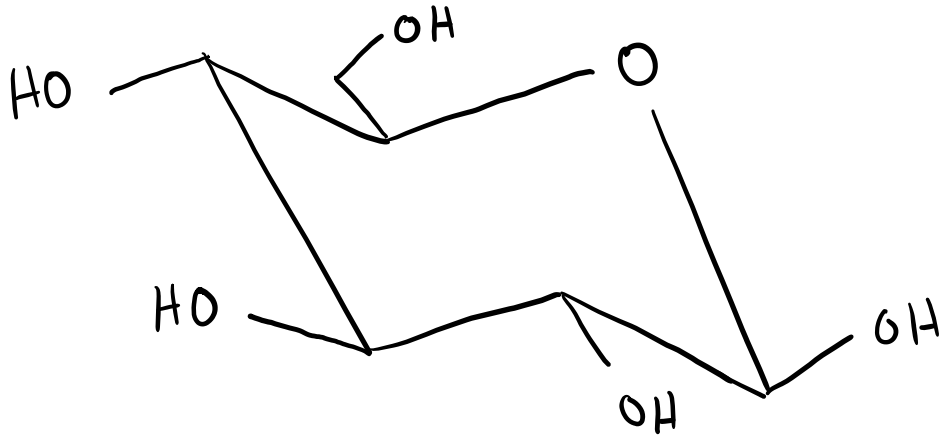
Glycoside Formation: Mechanism



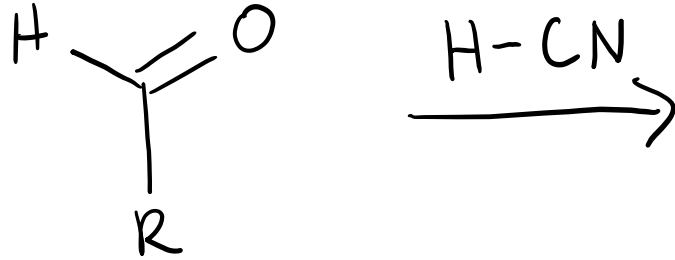
Reduction of Carbohydrates



Oxidation of Carbohydrates

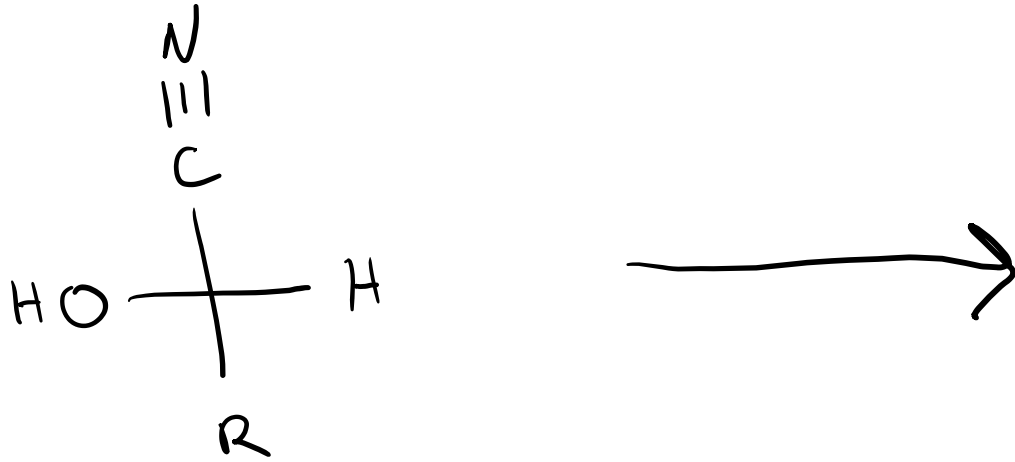


Chain Lengthening: Kiliani-Fischer Synthesis

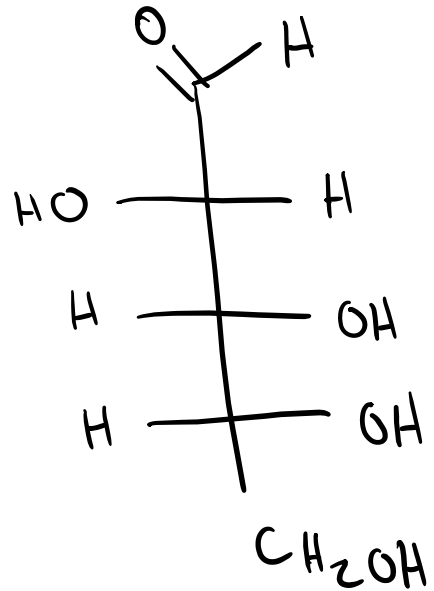


Mechanism:

Chain Lengthening: Kiliani-Fischer Synthesis



Chain Lengthening: Kiliani-Fischer Synthesis



D-Arabinose

