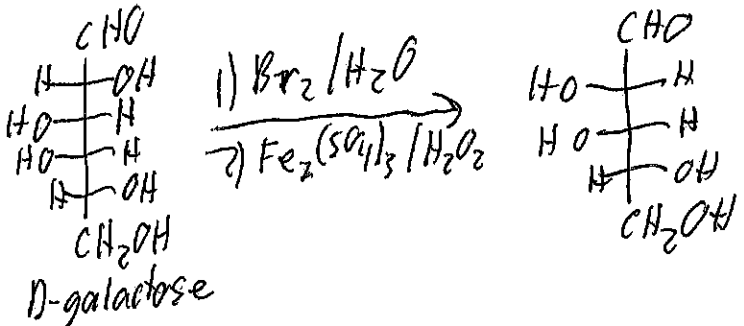
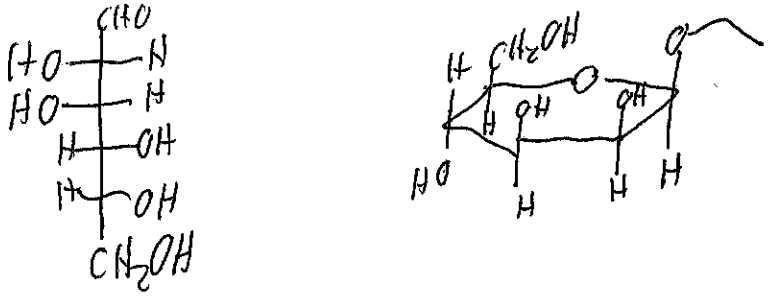
Name: Key

Organic II Lecture
Fall 2011
Quiz #10
(10 points)

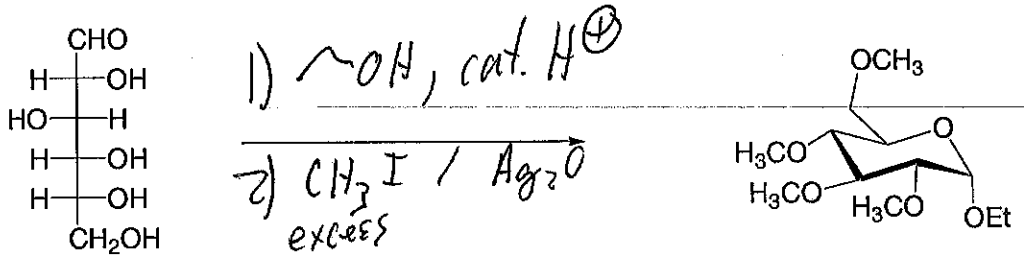
1. D-Lyxose is formed by the Ruff degradation of D-galactose. Give the structure of D-lyxose. (3 points, problem 23-34)



2. Draw ethyl β-D-mannopyranoside in a Haworth projection. (3 point)



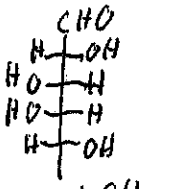
3. Complete the following transformation by filling in the necessary reactants. (4 points)



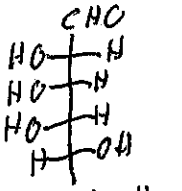
Name: Key

Organic II Lecture
Fall 2012
Quiz #10
(10 points)

1. Draw D-talose, the C2 epimer of D-galactose. (2 points, problem 23-8b)

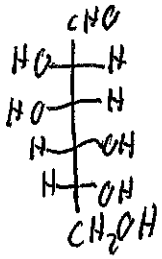


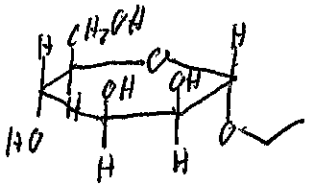
D-galactose



D-talose

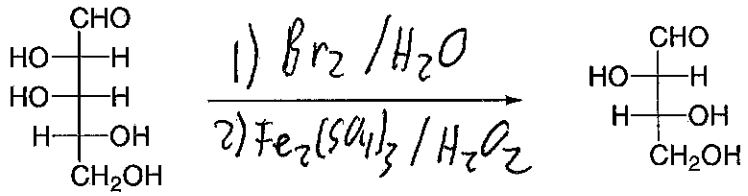
2. Draw ethyl a-D-mannopyranoside in a Haworth projection. (2 points)



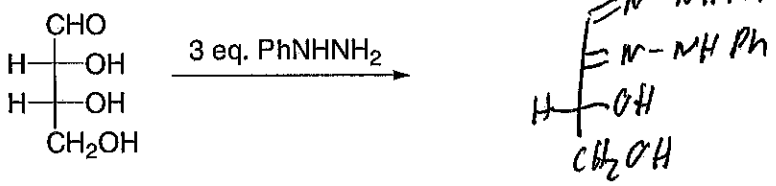


3. Complete the following reaction by filling in the necessary reagents. (4 points)

Ruff Degradation



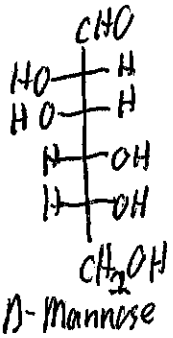
4. Predict the structure of the expected product of the following reaction. (2 points)



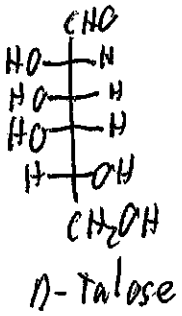
Name: Key

Organic II Lecture
Spring 2008
Quiz #9
(10 points)

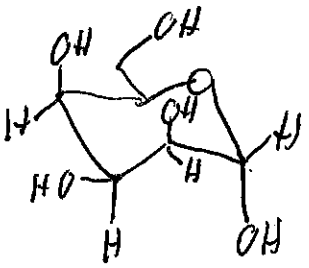
1. Talose is the C4 epimer of mannose. Draw a chair structure for α-D-talopyranose. (3 points, problem 23-11)



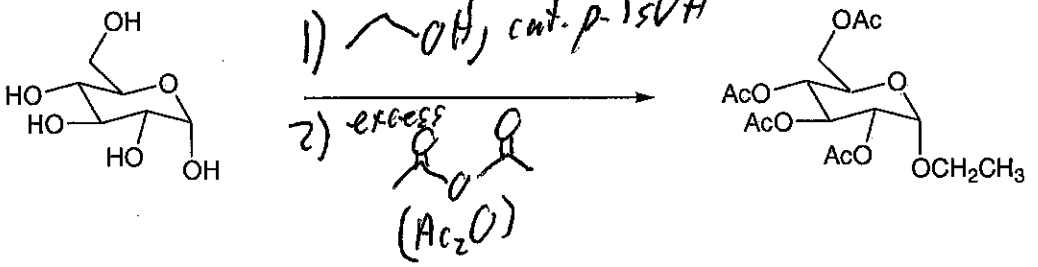
D-Mannose



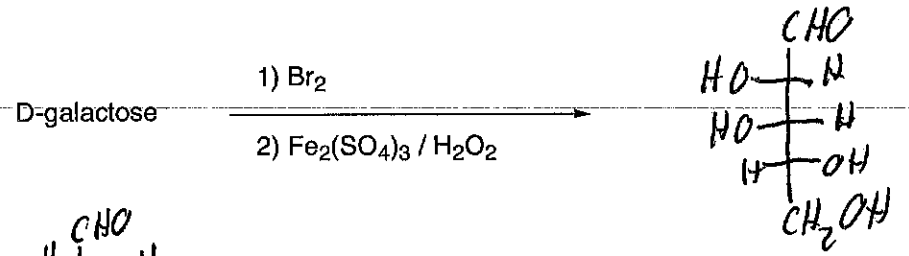
D-Talose

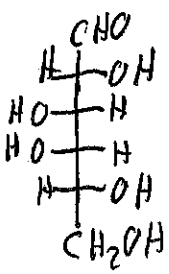


2. Complete the reaction below by filling in the missing reagents. (4 points)



3. Draw a Fischer projection for the product of the following reaction. (3 points)

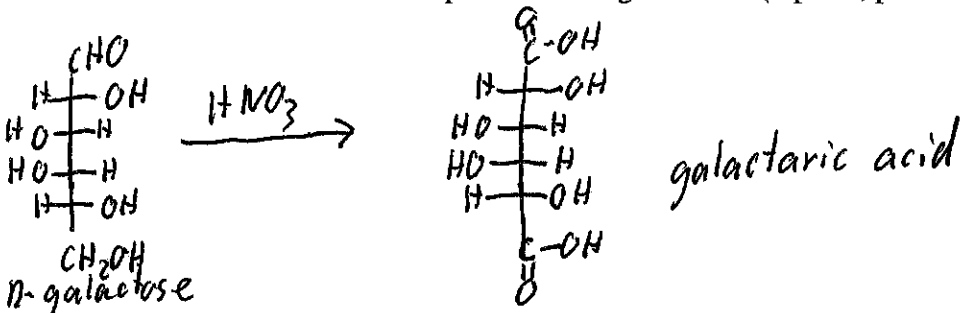




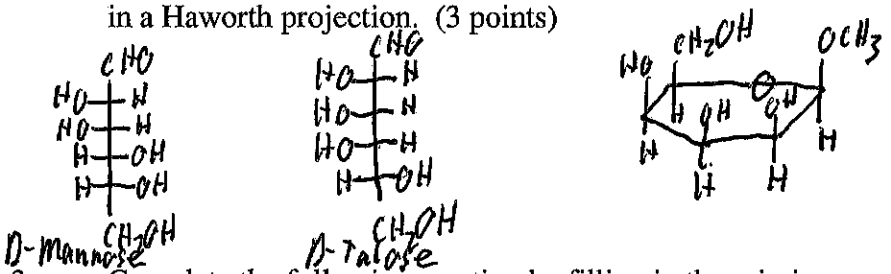
Name: Key

Organic II Lecture
Spring 2009
Quiz #10
(10 points)

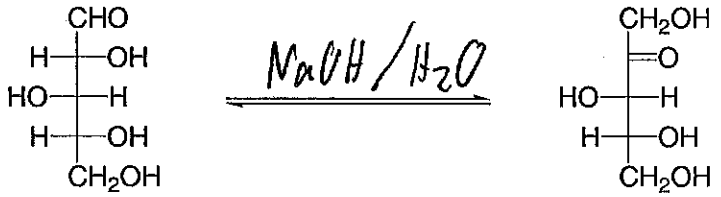
1. Draw and name the nitric acid oxidation product of D-galactose. (2 point, problem 23-22b)



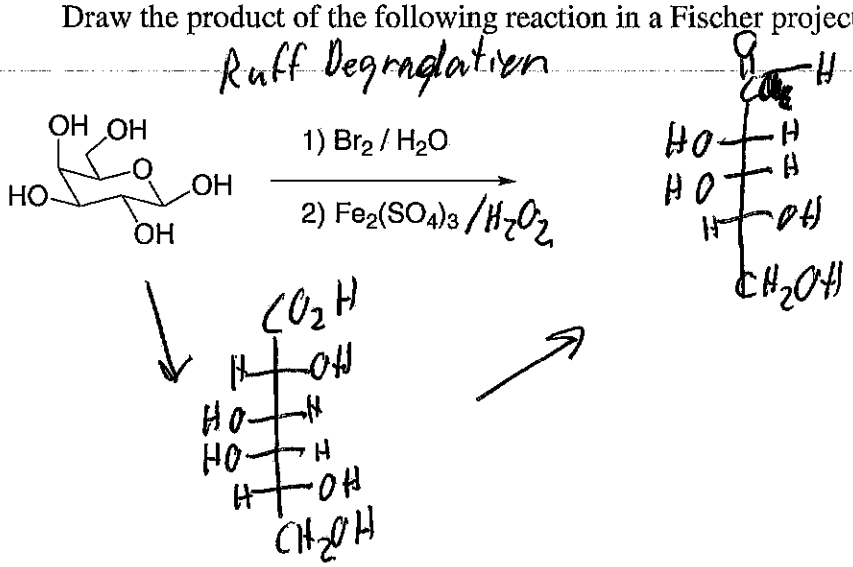
2. Talose is the C4 epimer of D-mannose. Draw a structure for methyl β-D-talopyranoside in a Haworth projection. (3 points)



3. Complete the following reaction by filling in the missing reagent. (2 point)



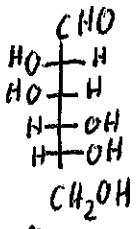
4. Draw the product of the following reaction in a Fischer projection. (3 points,)



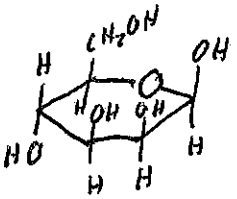
Name: Key

Organic II Lecture
Spring 2013
Quiz #10
(10 points)

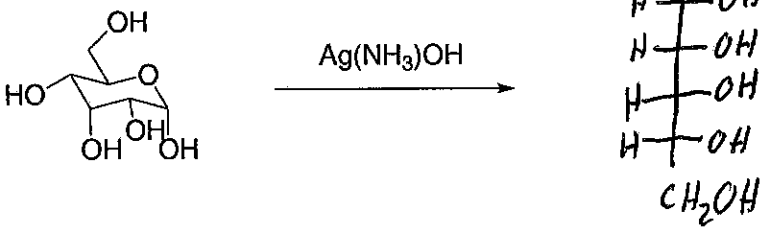
1. Draw β- D-mannopyranose in a Haworth projection. (3 points, problem23-9)



D- Mannose



2. Predict the structure of the product of the following reaction, drawn in a Fischer projection. (3 points)



3. Complete the following reaction by filling in the necessary reagents. (4 points)