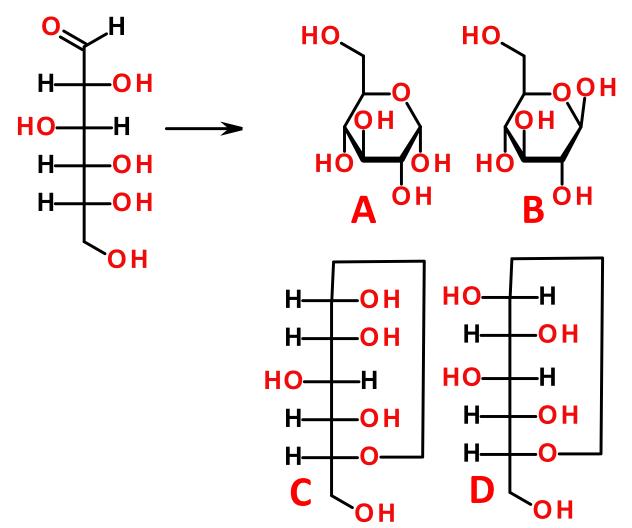
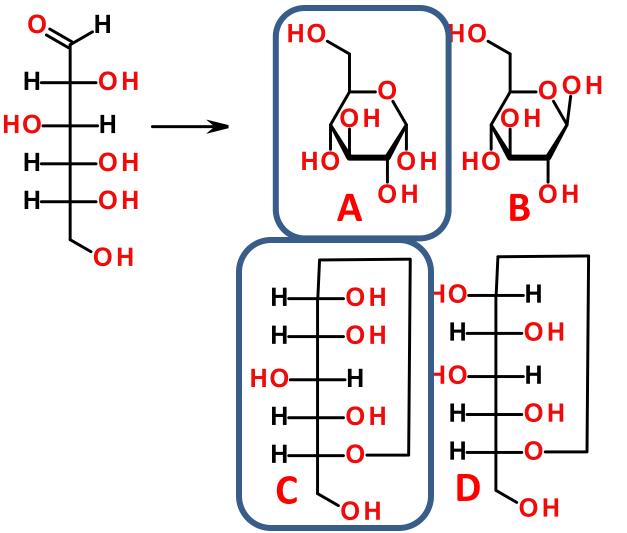
Give the <u>minor</u> product of the following reaction.2016-11-16 Q1



Give the <u>minor</u> product of the following reaction.2016-11-16 Q1



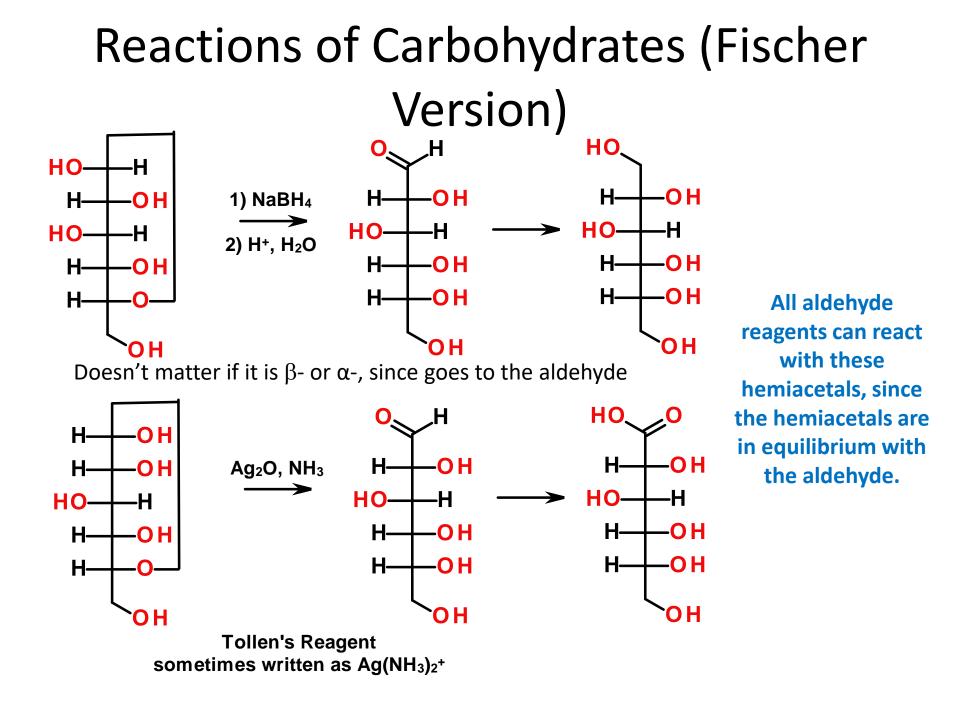
Exam 4 (Cumulative Exam)

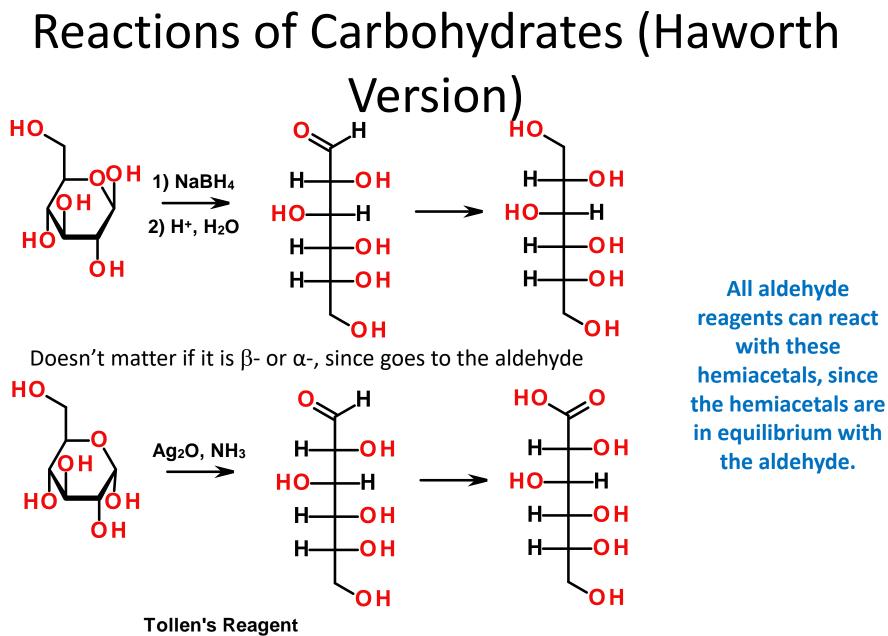
- Time:
 - Thursday, December 8: 2:00 4:00PM OR
 - Saturday, December 10: 10:00 am Noon OR
 - Saturday, December 10: 1:00 4:00PM
- Location Soc/Anthro Testing Center
 - Chapters will be covered in this order: Chapter 18, 19, 20
- Practice Exams are Posted
 - Ex4-90A Practice Final Exam
 - Ex4-90B Practice Final Exam
- Deadline for alternate arrangements is Monday, 12/5/2016 at 4:30 PM (i.e., close of business)
 - An oral make-up exam will be required for making up the exam for all students not taking the exam on the above dates or having already made prior arrangements

Assignment	Due Date	
Ex4-01-B7-18-06B Claisen Condensation	Friday, November 11, 2016	
Ex4-02-B7-18-06C Claisen Condensation	Saturday, November 12, 2016	
Ex4-03-B7-18-08B A-B Unsaturated Rxns	Sunday, November 13, 2016	Cha
Ex4-04-B7-18-08C A-B Unsaturated Rxns	Monday, November 14, 2016	Date
Ex4-05-B7-18-09A Carb Classification	Tuesday, November 15, 2016	
Ex4-06-B7-19-01 Hemiacetal Formation	Sunday, November 27, 2016	
Ex4-07-B7-19-02 Carbohydrate Reactions	Sunday, November 27, 2016	
Ex4-08-B7-19-02 Kiliani-Fischer Synthesis	Sunday, November 27, 2016	
Ex4-09-B7-19-03 Important Carbohydrates	Monday, November 28, 2016	
Ex4-10-B7-19-04 Carbs in Blood Types	Monday, November 28, 2016	
Thanksgiving	Break	
Ex4-11-B7-20-01 Amino Acid Nomenclature	Tuesday, November 29, 2016	
Ex4-12-B7-20-01B Amino Acid Naming	Wednesday, November 30, 2016	
Ex4-13-B7-20-02 Amino Acid Acid Base	Thursday, December 1, 2016	
Ex4-14-B7-20-03 Edmann Degradation	Friday, December 2, 2016	
Ex4-15-B7-20-04 Merrified Peptide Synthesis	Saturday, December 3, 2016	
Ex4-16-B7-20-05 Synthesis in Peptides	Sunday, December 4, 2016	

No Chem 234 Class Friday

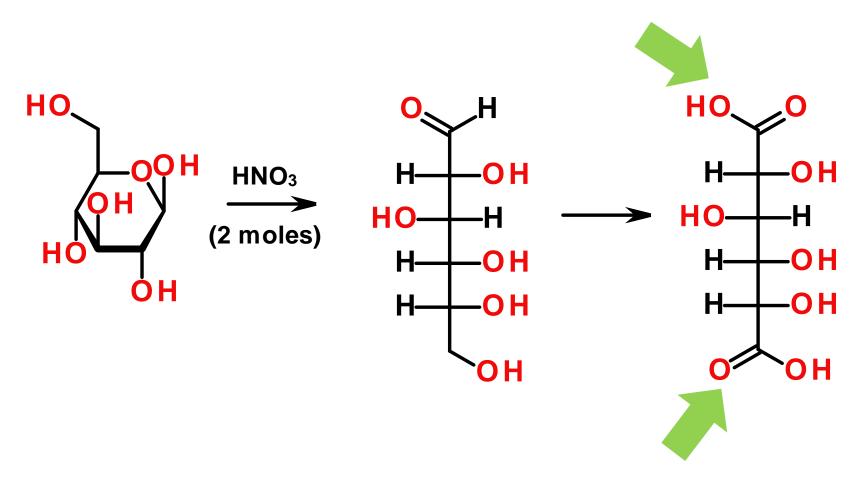
No Chem 236 Lab Thursday, Friday, this week and Monday after spring break





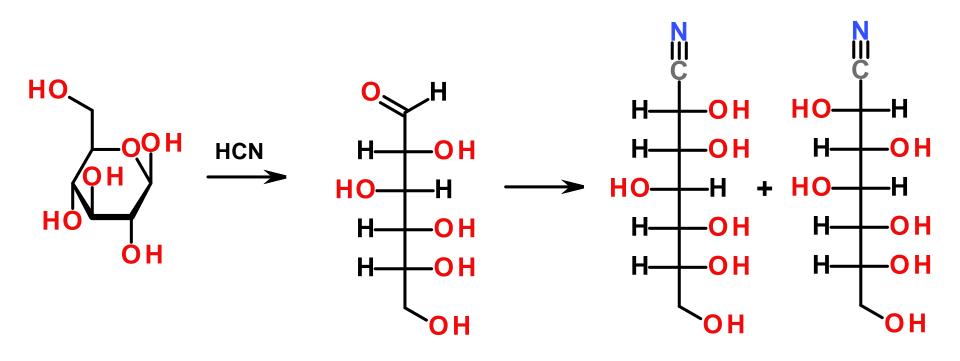
sometimes written as Ag(NH₃)₂+

Nitric Acid Oxidation



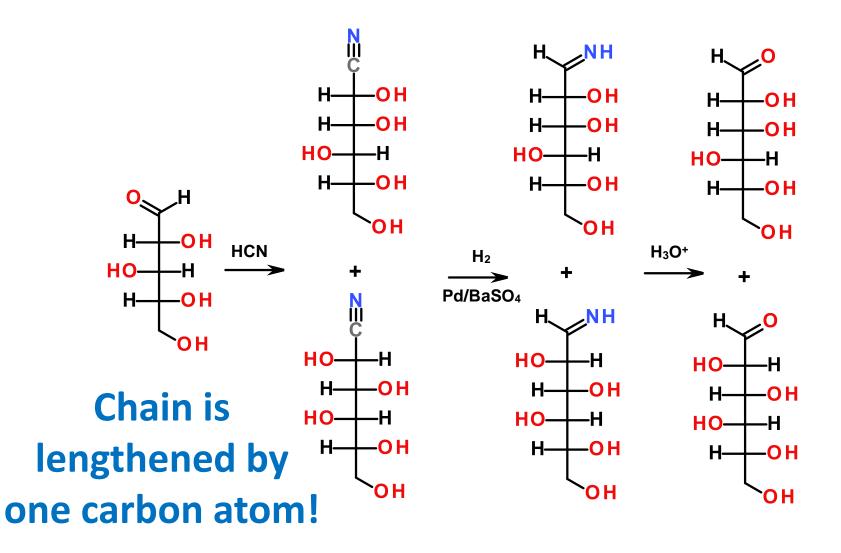
Oxidation occurs on both ends of the molecule.

HCN Addition to Aldehydes

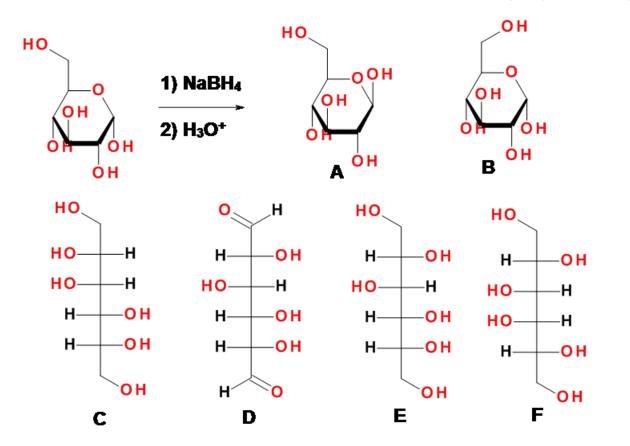


Both C-1 epimers are formed!

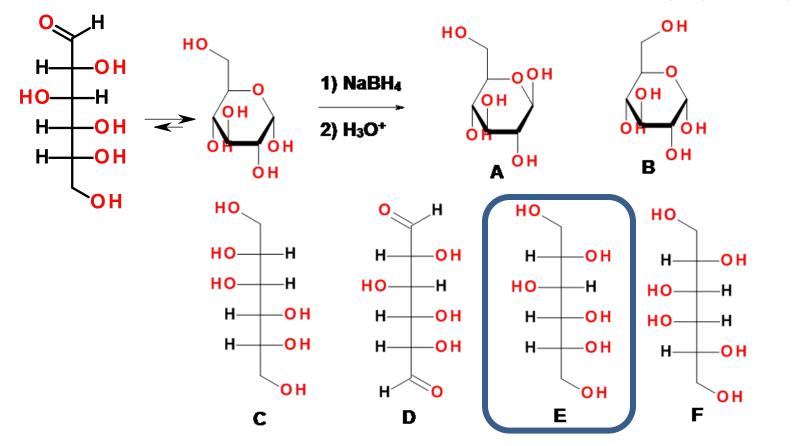
Kiliani-Fischer Synthesis

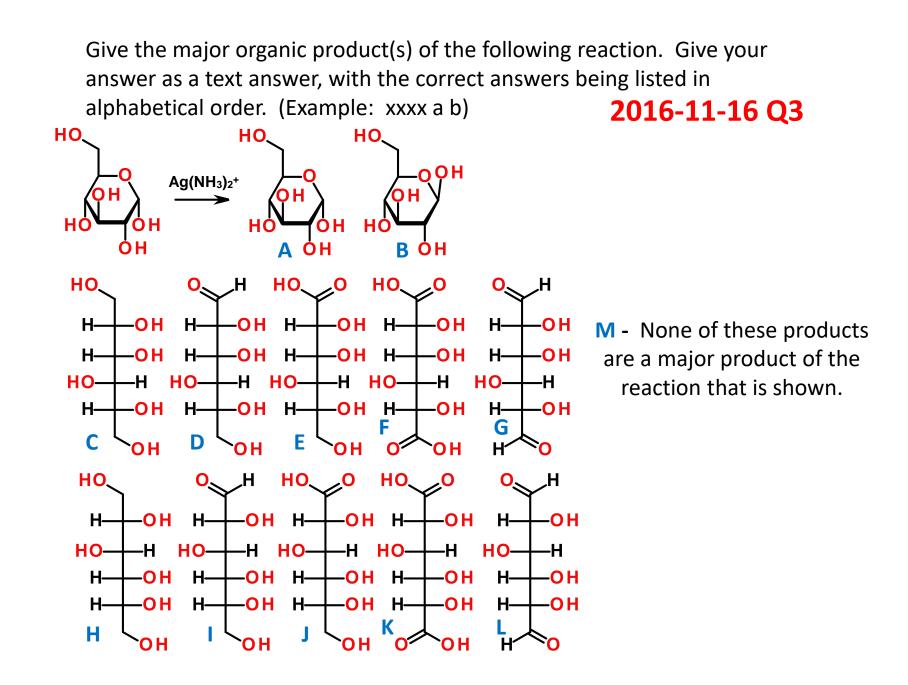


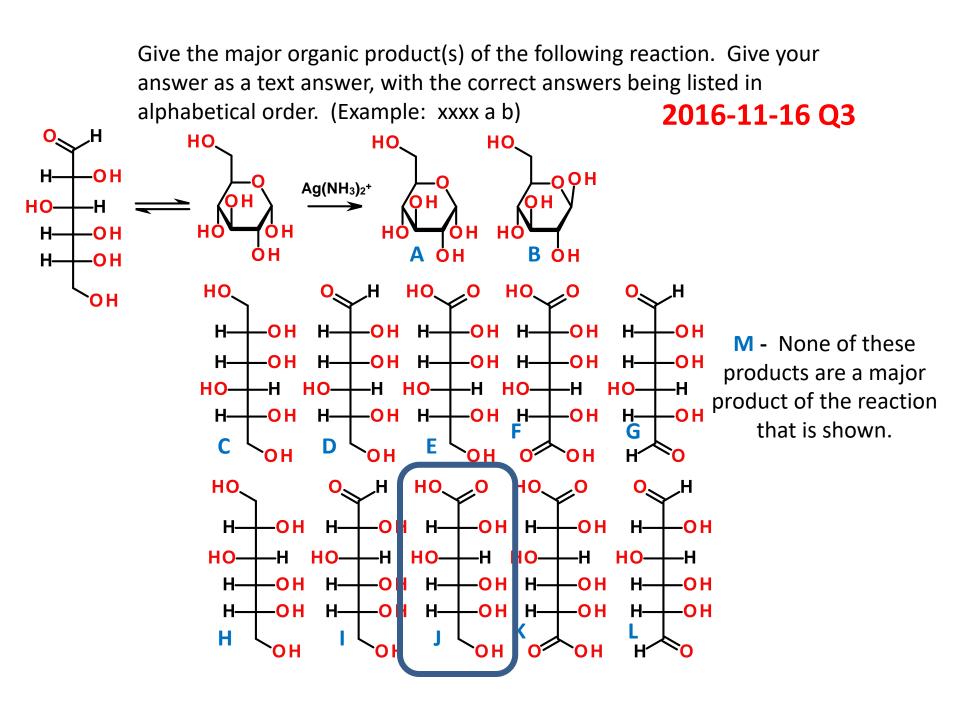
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b) 2016-11-16 Q2

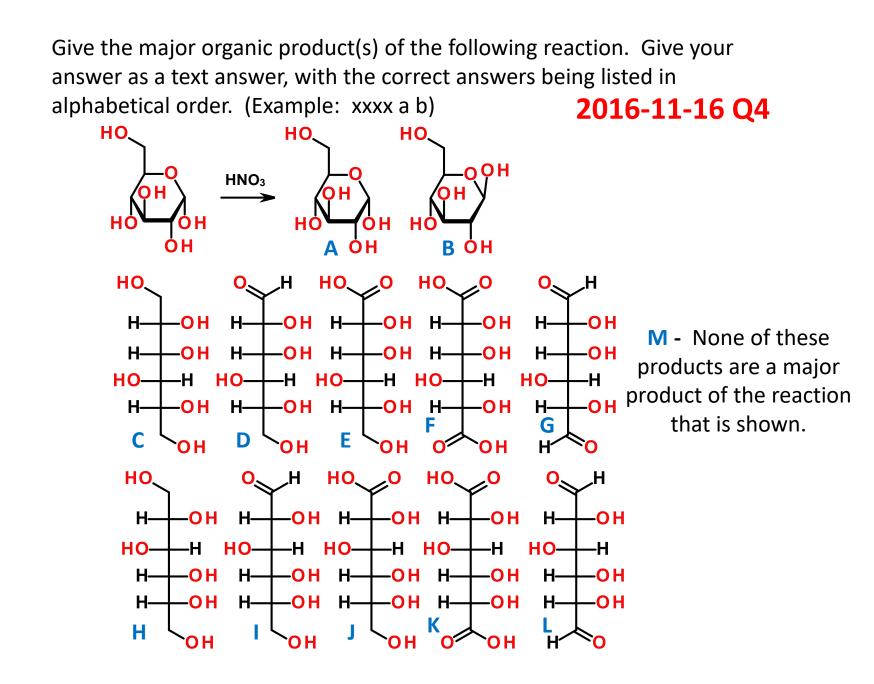


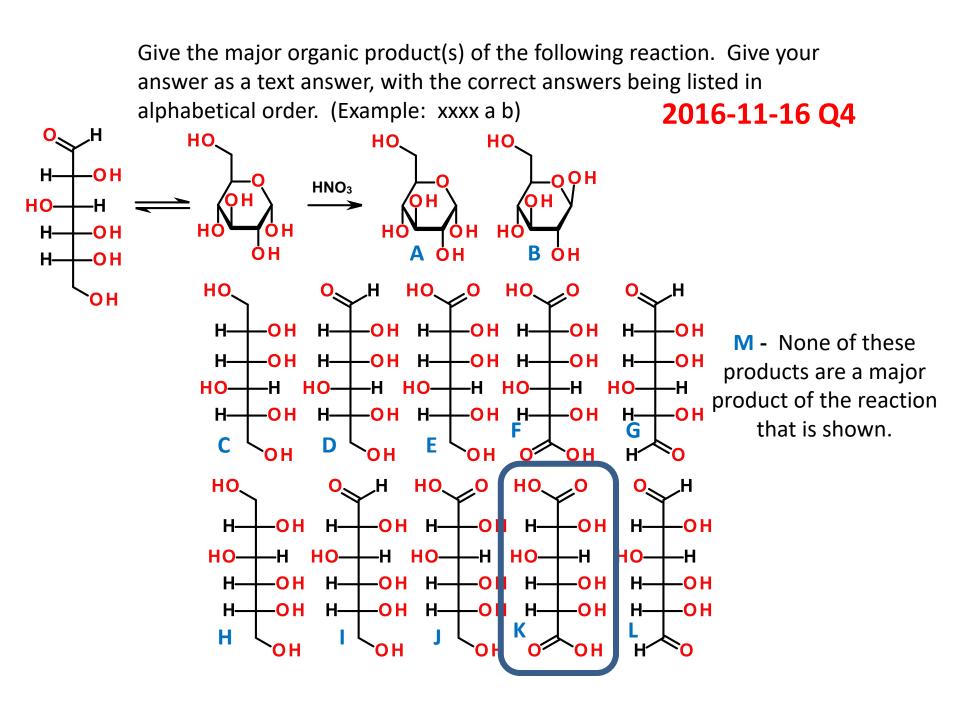
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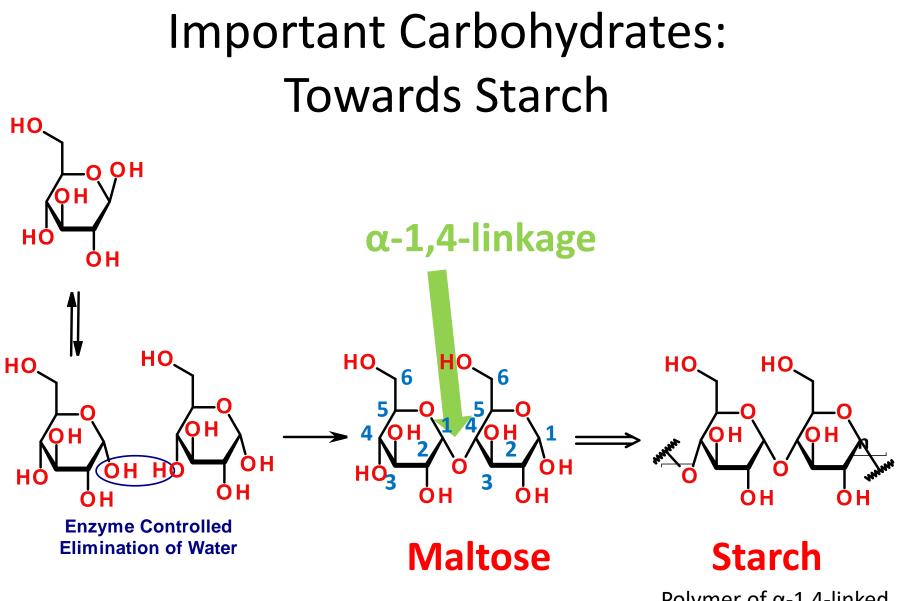






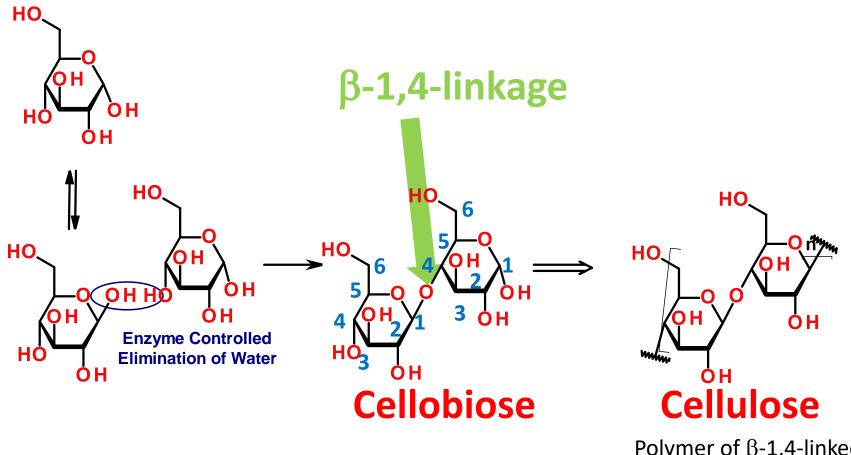






Polymer of α-1,4-linked D-glucose molecules

Important Carbohydrates: Towards Cellulose

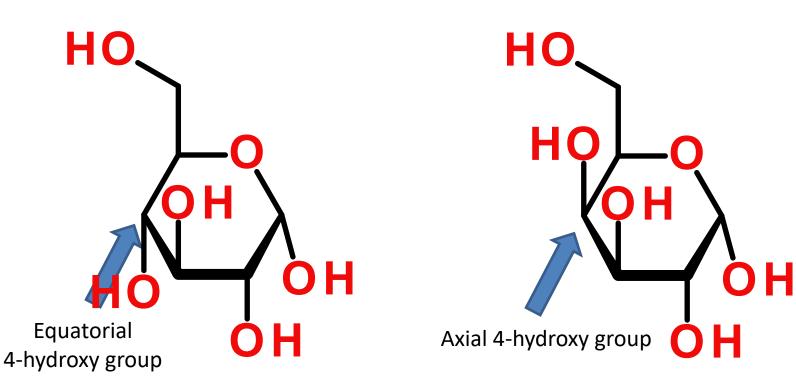


Polymer of β-1,4-linked D-glucose molecules

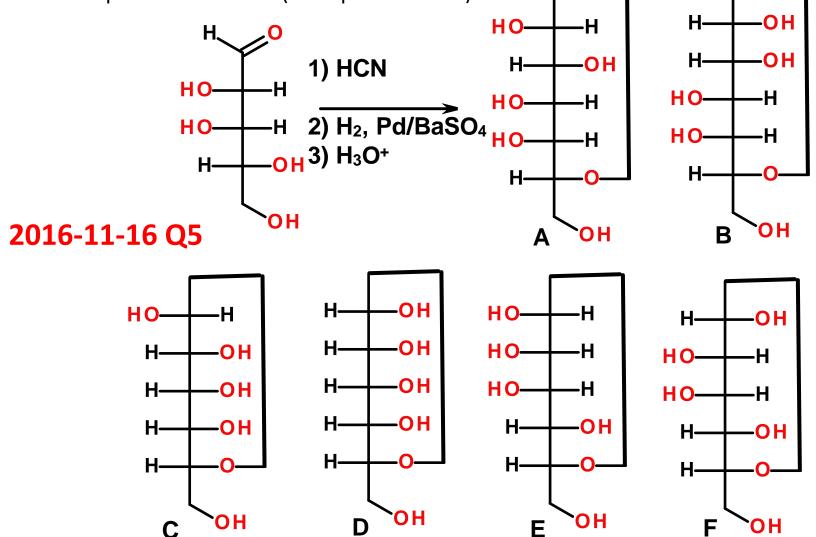
Glucose vs Galactose

α-D-Glucopyranose

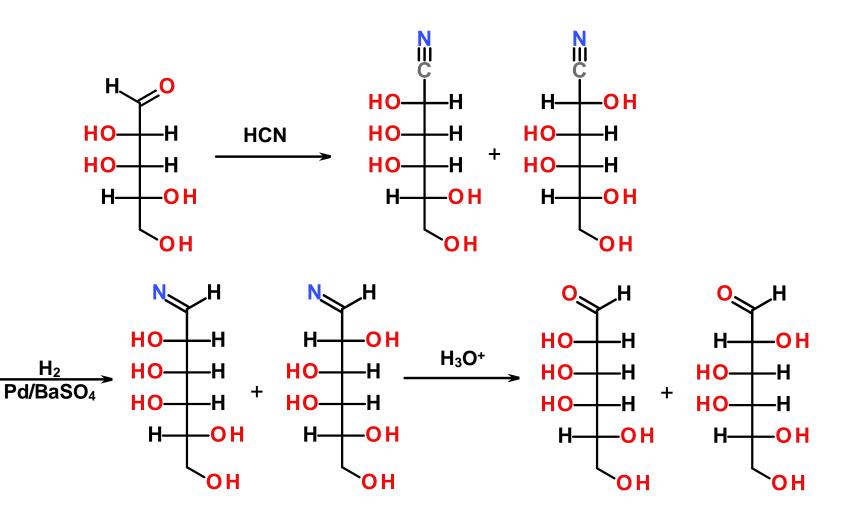
α-D-Galactopyranose



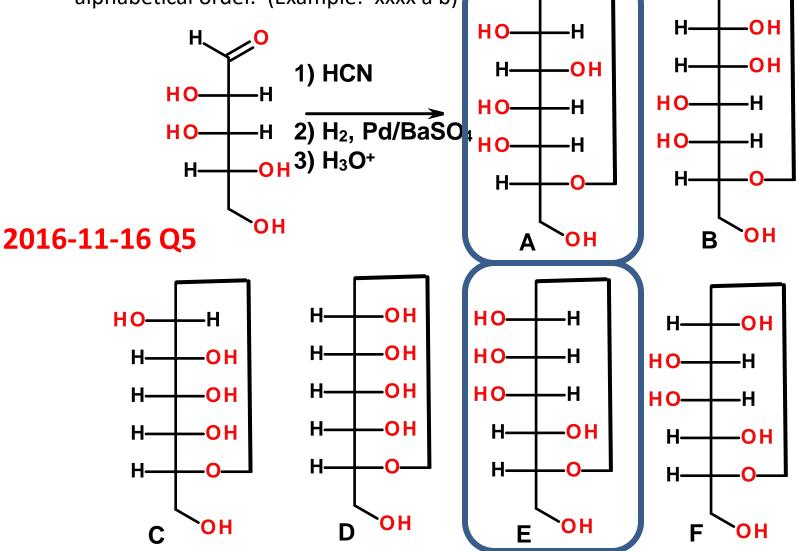
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)

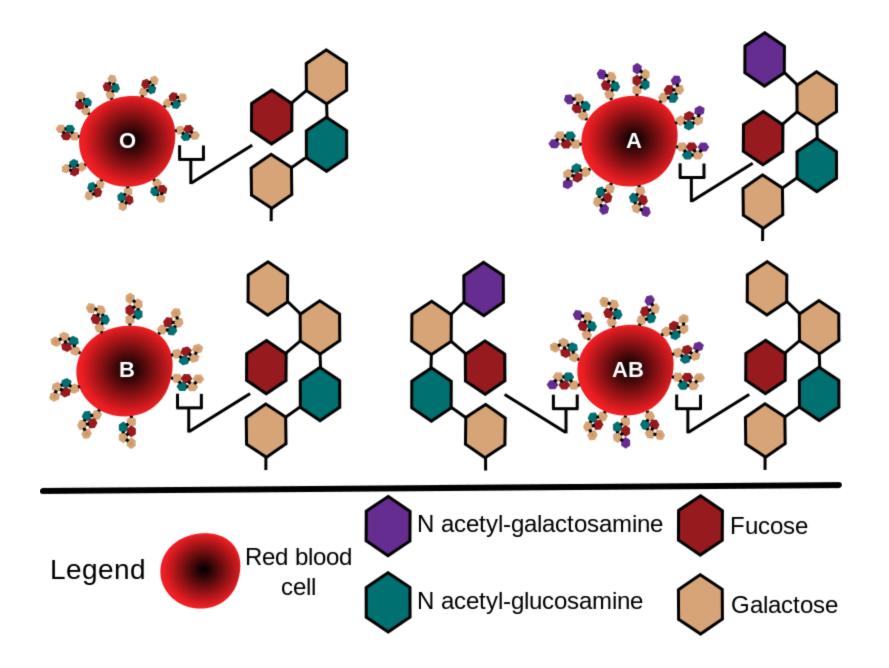


2016-11-16 Q5

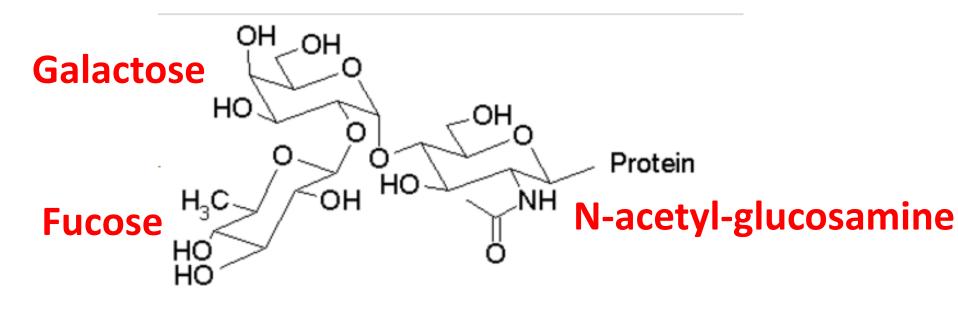


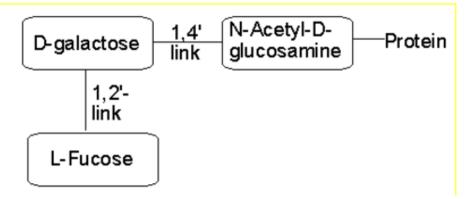
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)





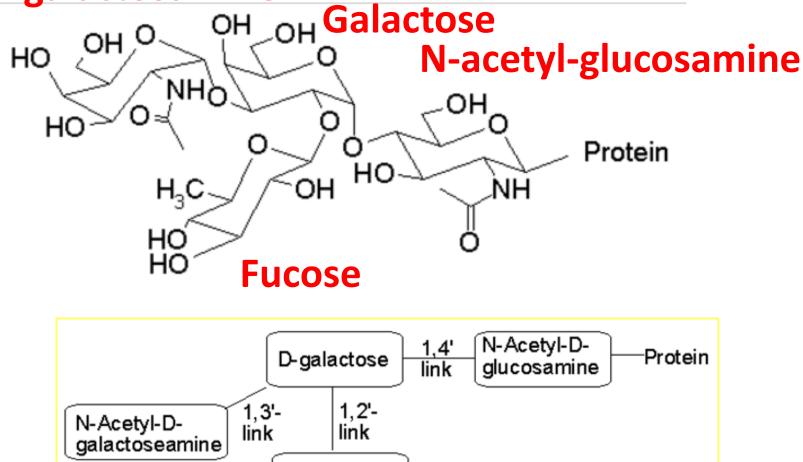
Type O Blood



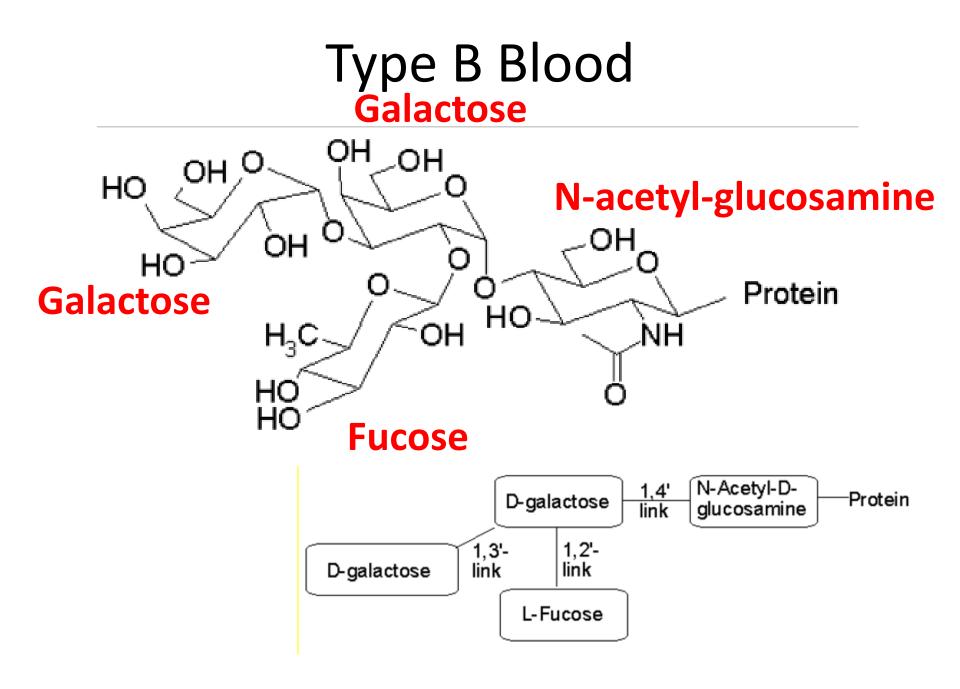


Type A Blood

N-acetyl-galactosamine



L-Fucose



Have a Happy Thanksgiving!

And a wonderful break!