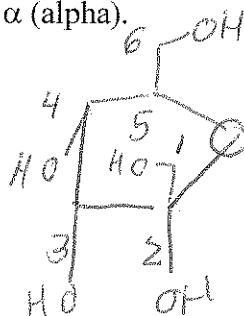
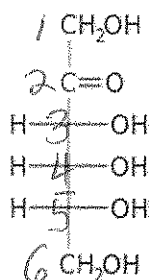


Name _____

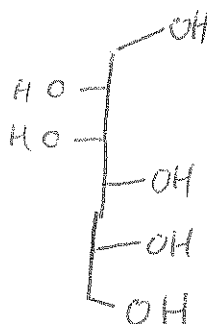
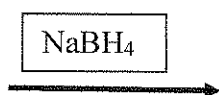
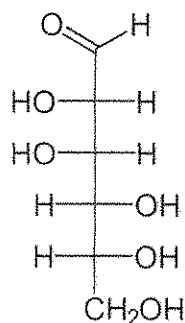
Lab Instructor Belyayeva Chiemezie Yildirim Khajo Mollica

Quiz Va
May 8, 2017

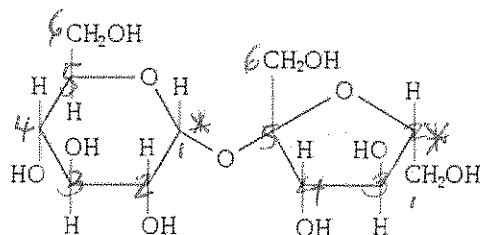
- Convert the following sugar from the open form to the hemiacetal form.
Draw a 5 membered ring.
Draw the anomeric carbon with the OH group α (alpha).



- Give the product of the following reaction:



- Analyze the following disaccharide:
 - Label the anomeric carbons with stars.
 - Which two carbons (give their numbers) link the two sugars together? 1, 5
 - Is this compound a reducing sugar? In other words, does it undergo oxidation with Benedict's or Tollens' reagent?



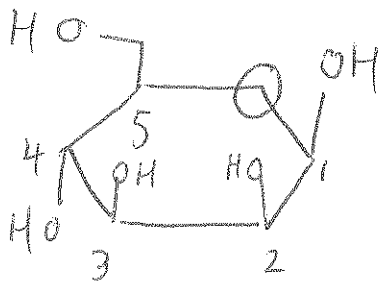
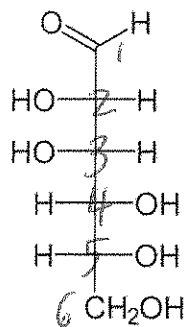
yes

Name _____

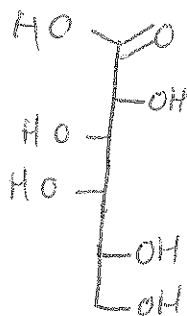
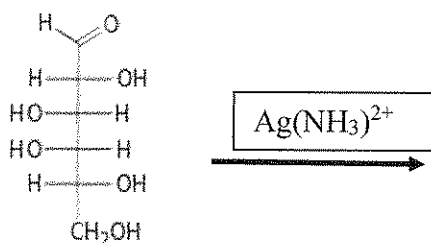
Lab Instructor Belyayeva Chiemezie Yildirim Khajo Mollica

Quiz Vb
May 8, 2017

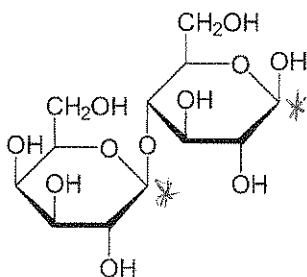
- Convert the following sugar from the open form to the hemiacetal form.
Draw a 6 membered ring.
Draw the anomeric carbon with the OH group β (beta).



- Give the product of the following reaction:



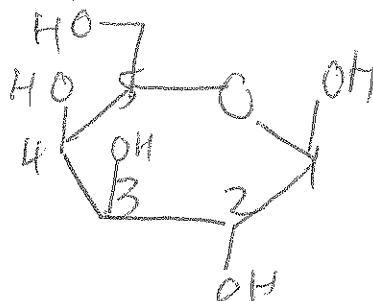
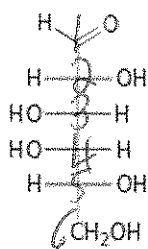
- Analyze the following disaccharide:
 - Label the anomeric carbons with stars.
 - Is the linkage between the two sugars an alpha or beta linkage? β
 - Is this compound a reducing sugar? In other words does it undergo oxidation with Benedicts' or Tollens' reagent? *yes*



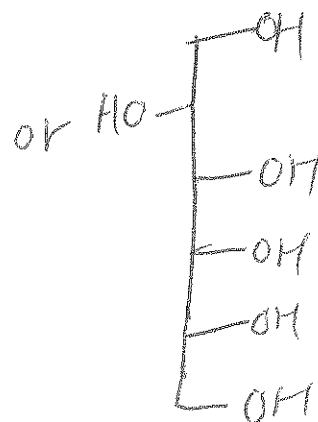
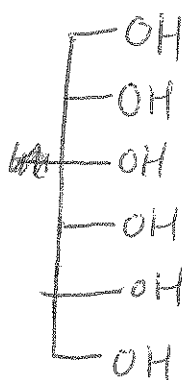
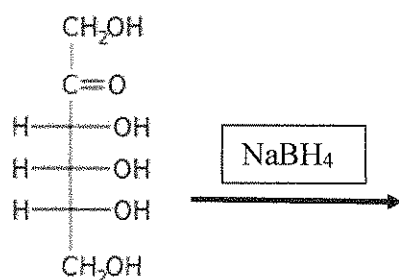
Lab Instructor Belyayeva Chiemezie Yildirim Khajo Mollica

Quiz Vc
May 8, 2017

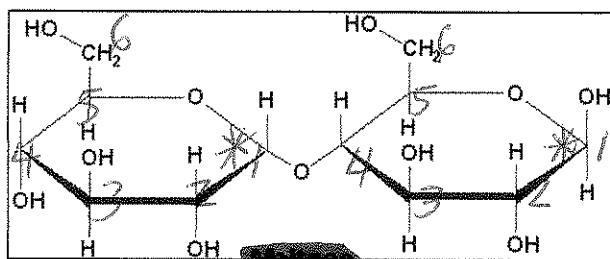
1. Convert the following sugar from the open form to the hemiacetal form.
Draw a 6 membered ring.
Draw the anomeric carbon with the OH group β (beta).



2. Give the product of the following reaction:



3. Analyze the following disaccharide:
- Label the anomeric carbons with stars.
 - Which two carbons (give their numbers) link the two sugars?
 - Is this compound a reducing sugar? In other words does it undergo oxidation with Benedict's or Tollens' reagent?



1, 4

yes