

Last Name:

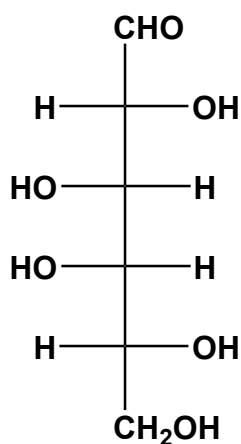
First Name:

UTEID:

SCORE: **KEY**

Deadline for CH310N HW 9, Due: Nov 28 3:00 PM

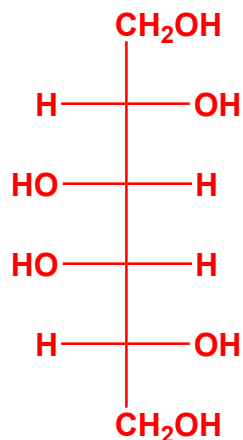
Carbohydrates: Draw the products of each reaction below. Each of these reactions are analogous to other reactions of aldehydes, ketones or alcohols.



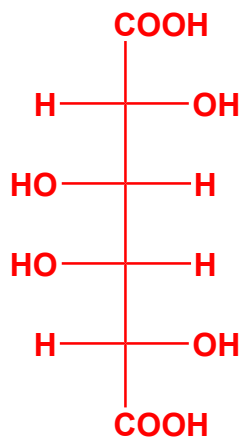
D-galactose

NaBH₄
in H₂O

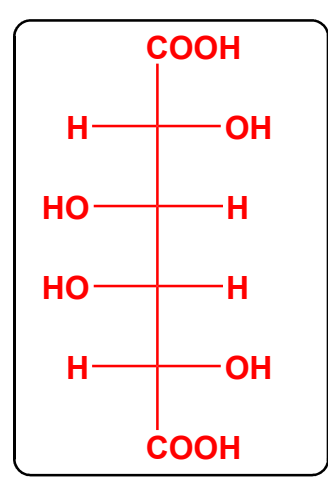
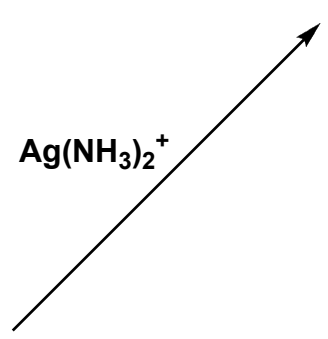
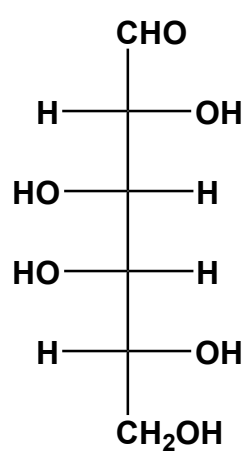
HNO₃; heat



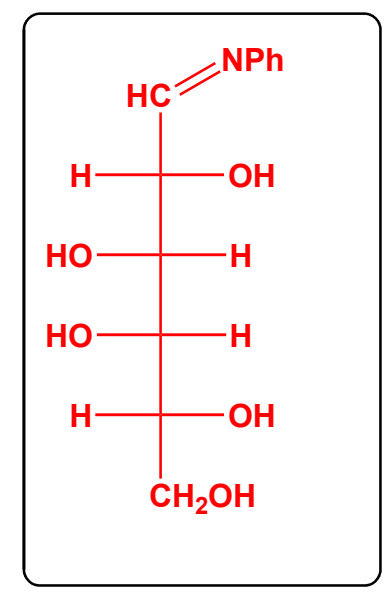
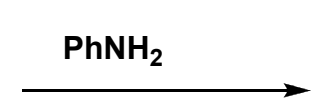
Galactitol
meso; optically inactive



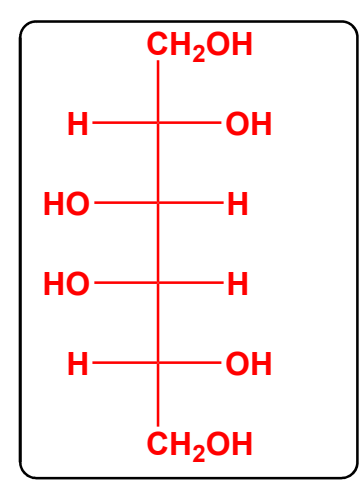
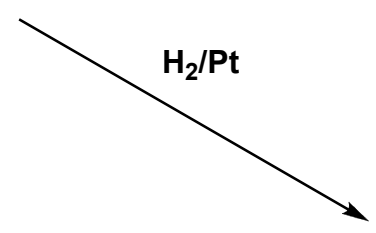
Galactaric Acid
meso; optically inactive



Galactaric Acid
meso; optically inactive



Shiff Base of Galactose



Galactitol
meso; optically inactive