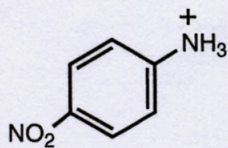
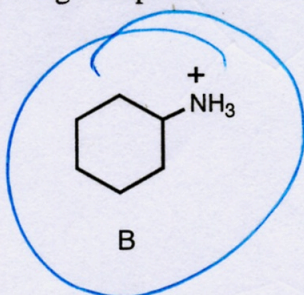


3 Points for each of the questions except for question 4 (4 points)

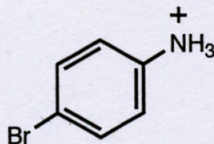
1. Which of the following compounds is the weakest acid?



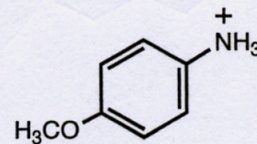
A



B

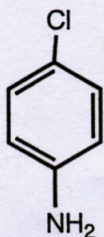


C

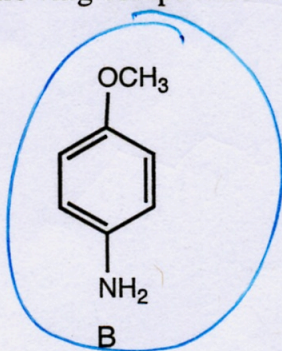


D

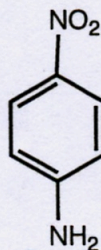
2. Which of the following compounds is the strongest base?



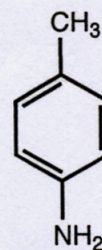
A



B

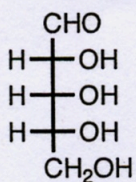


C

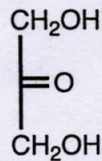


D

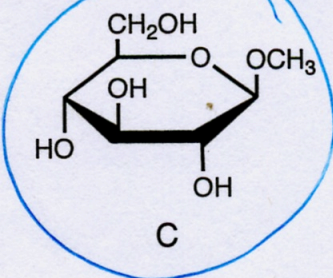
3. Which of the following is NOT a reducing sugar?



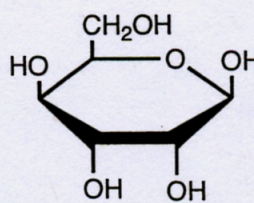
A



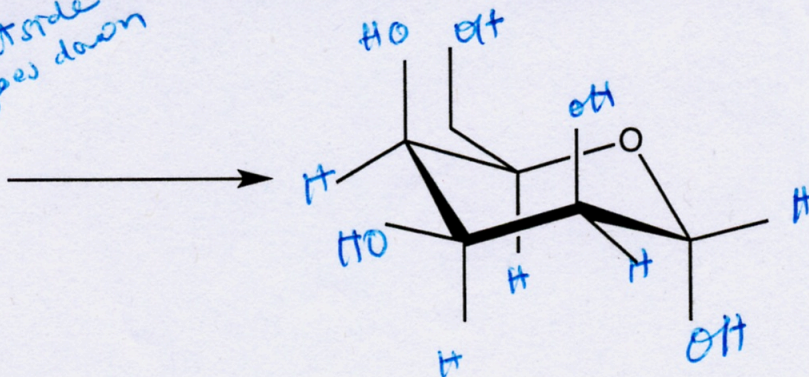
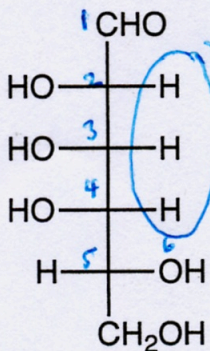
B



C



D

4. (4 Points) Draw the  $\alpha$ -pyranose of the following sugar in the provided structure.

5. (12 Points, 3 pts. per box) Complete the following chemical transformations.

