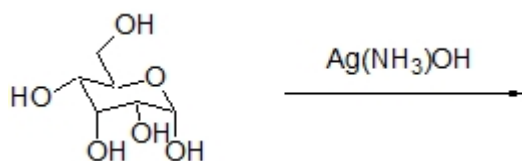


Name: \_\_\_\_\_

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

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

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)

