

CHEMISTRY 314-01

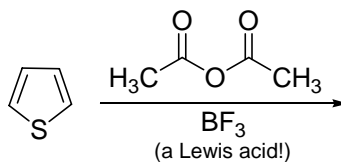
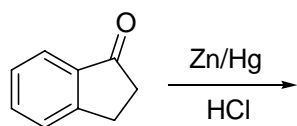
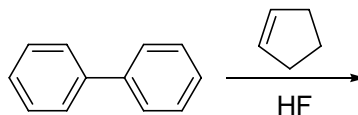
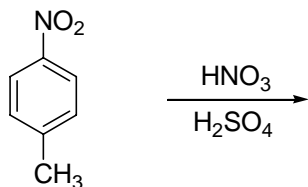
QUIZ # 1

September 09, 2009

Name

The total number of points in the quiz is 8. The total quiz time is 10 min.

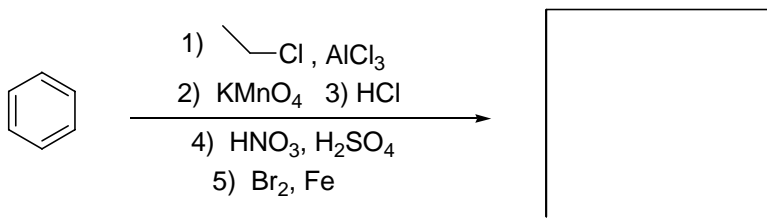
1. (4 pts) Indicate the principal organic product of each of the following reactions. You have to write the CORRECT REGIOISOMER in order to get credit.



2. (2 pts) Arrange the following compounds in order of increasing reactivity in $S_{\text{E}}\text{Ar}$ reactions:

- Benzene;
- Anisole;
- Bromobenzene;
- Benzaldehyde;

3. (2 pts) You start with benzene and conduct the following sequence of reactions:



Your product is:

- 4-bromo-2-nitrobenzoic acid;
- 2-bromo-4-nitrobenzoic acid;
- 3-bromo-5-nitrobenzoic acid;
- 2-bromo-4-nitroethylbenzene;
- 2-bromo-6-nitrobenzoic acid;

Write the correct structure in the box above.