

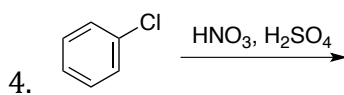
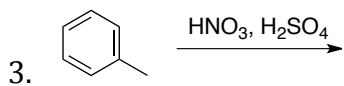
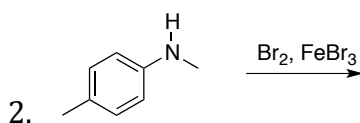
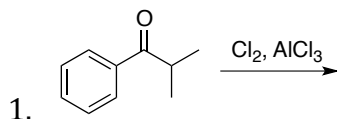
Organic Chemistry I Jasperse

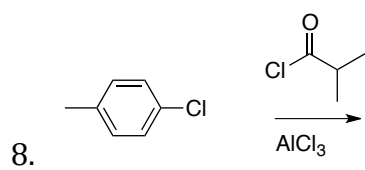
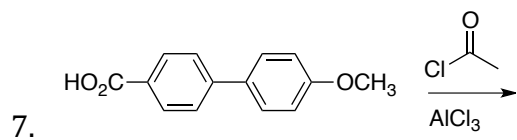
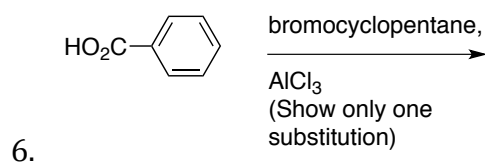
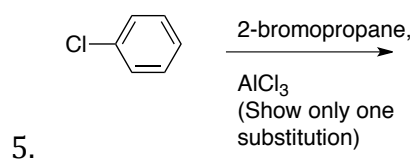
Test 4 Extra Practice: Predict product and draw mechanism (p 1,2); predict product (p 3,4); synthesis design (p5)

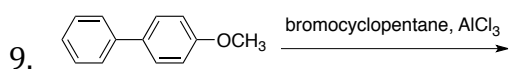
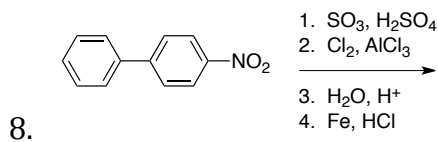
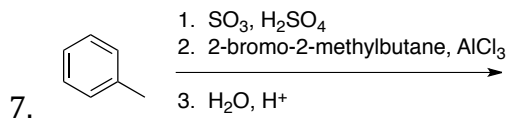
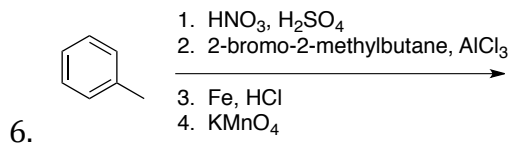
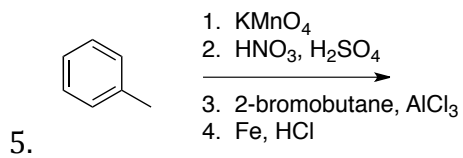
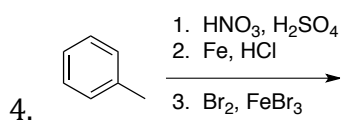
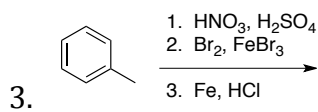
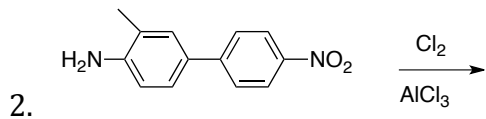
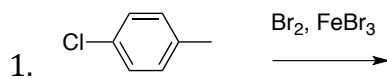
A. Aromatic Substitution Predict Product and Draw the Reaction Mechanisms

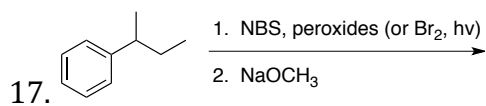
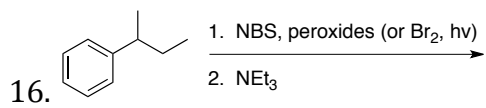
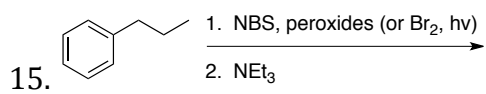
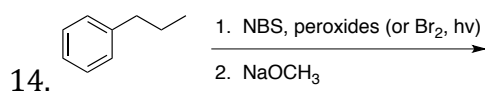
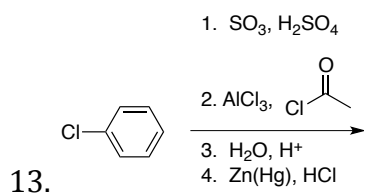
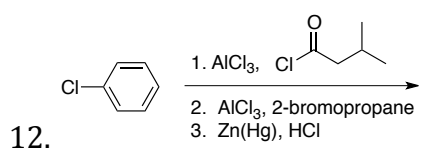
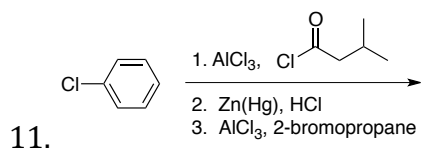
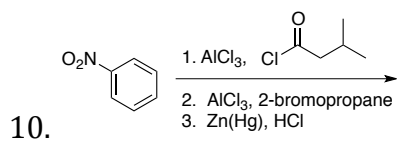
- Draw the major product and the mechanism for each of the following reactions, using detailed arrow-pushing.
- Draw the resonance structures for carbocationic intermediate.

Note: See pages 3 and 4 for more production prediction problems.
See page 5 for some synthesis design problems.





B. Draw the major product for the following reactions.



Design Syntheses for the following transformation: