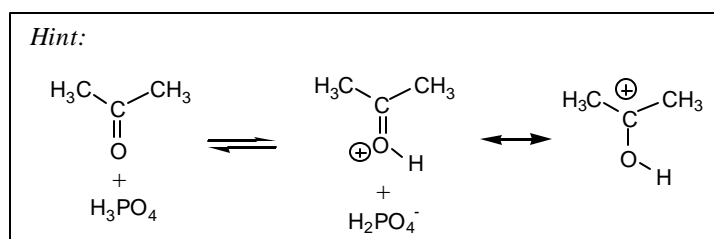
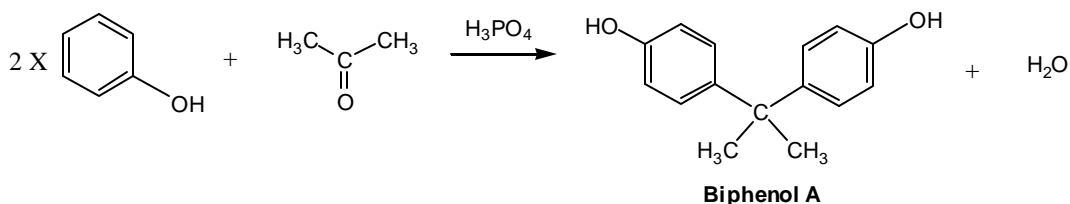


Honorary Homework for Chem2320
Due 5pm, February 18, 2005.

Name:

I. Propose an electron-pushing mechanism for the formation of biphenol A. Use the stability of intermediates and briefly explain the regioselectivity (para vs. meta).



II. What would be the major product(s) for the following reaction? What is the name of this reaction? Propose an electron-pushing mechanism for this reaction. Provide a brief explanation for the regioselectivity (ortho/para vs. meta) based on the resonance structures of the reaction intermediates. Indicate **clearly** the most important resonance structure that will support your prediction on the regioselectivity of the reaction.

