

2. REDUCTION EXTRA

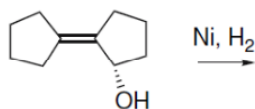
1. Find reduction and oxidation reactions in total synthesis of Epothilone 490 (*J. Am. Chem. Soc.* **2002**, 124, 9825).

2. Read the paper: Mary Ann M. Fuhry, Christie Colosimo, and Kathleen Gianneschi *J. Chem. Educ.* **2001**, 78, 949 and discuss: (a) the mechanism of the Birch reaction and (b) safety warnings/cautions.

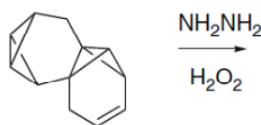
3. Read and enjoy.:) (Warnhoff, E. W. *J. Chem. Educ.* **1996**, 73, 494).

4. Predict products of the following reactions (CS5).

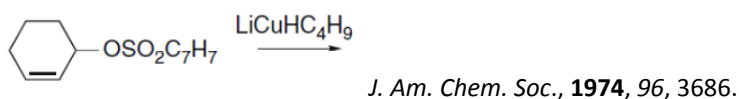
a)



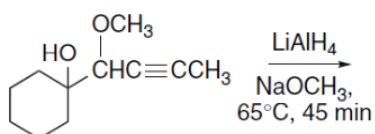
b)



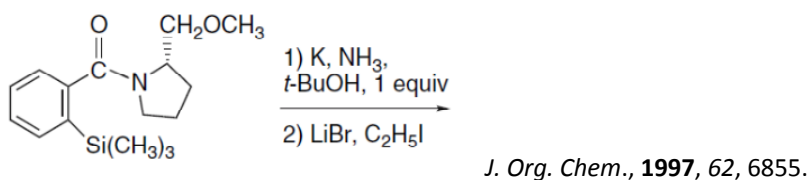
c)



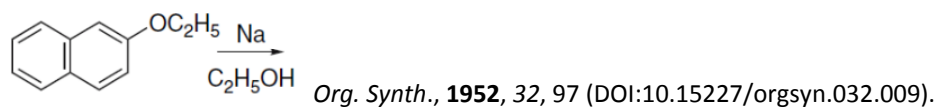
d)



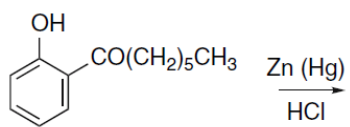
e)



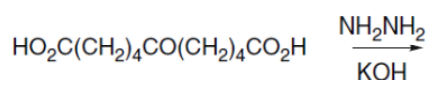
f)



g)



h)



i)

