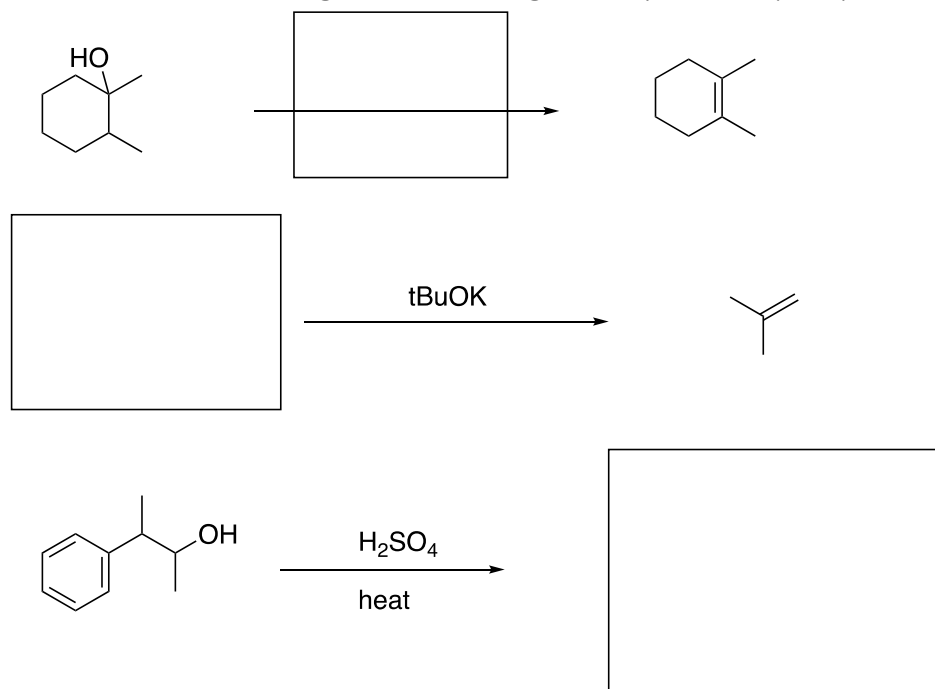
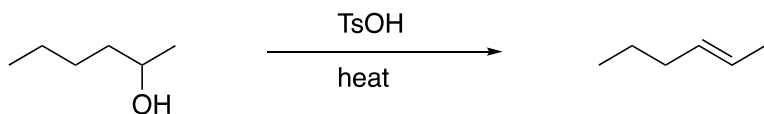


11.3 Fill in the missing reactant reagent or product (RRP):



11.4 Provide the full arrow pushing mechanism for the following reaction:



12 Addition Reactions

12.1 Draw arrow pushing reaction mechanisms for the following two reactions. If any charged intermediates are stabilized by resonance, show all of the non-negligible resonance structures. In your mechanism identify the rate-determining step (RDS). Which reaction would proceed faster and why?

