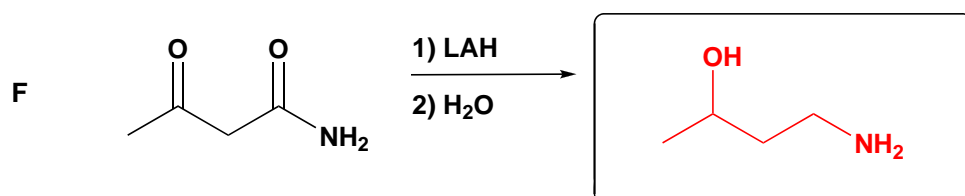
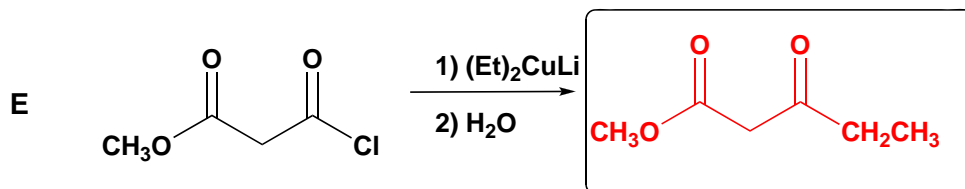
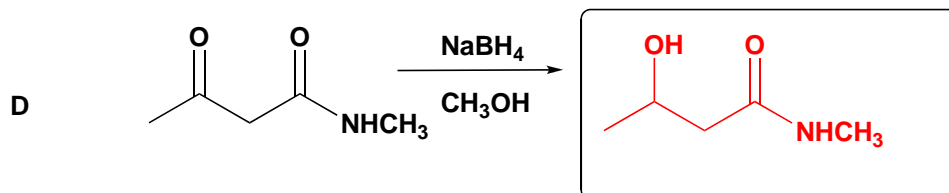
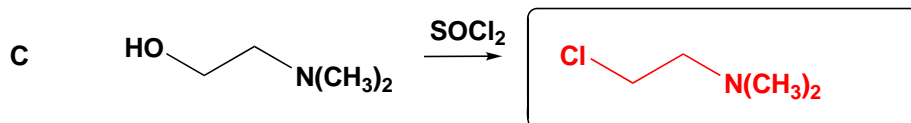
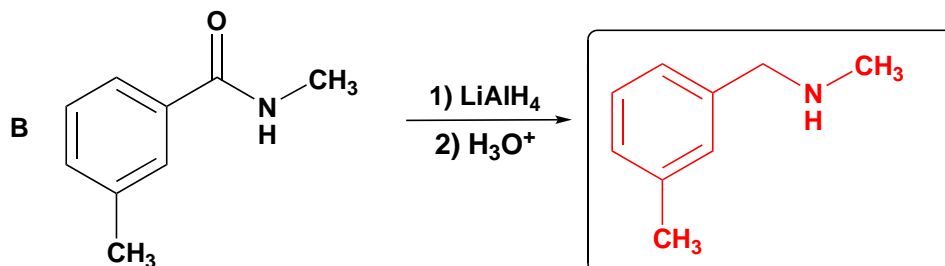
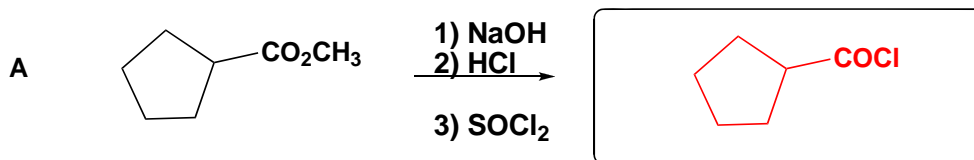
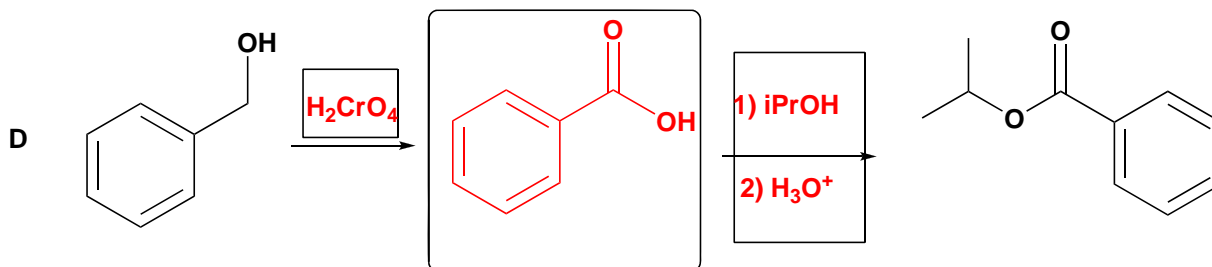
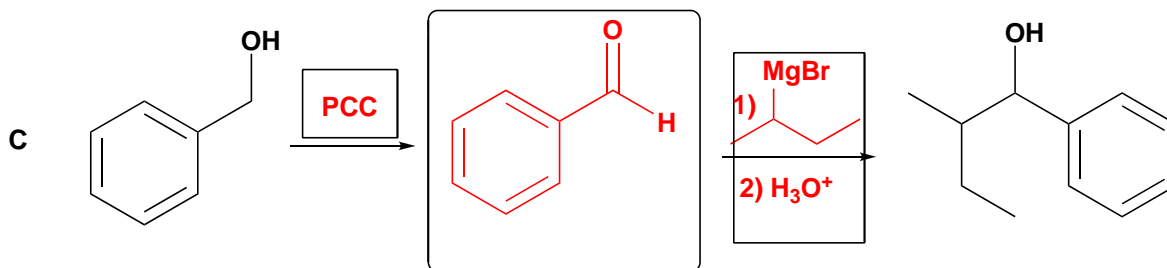
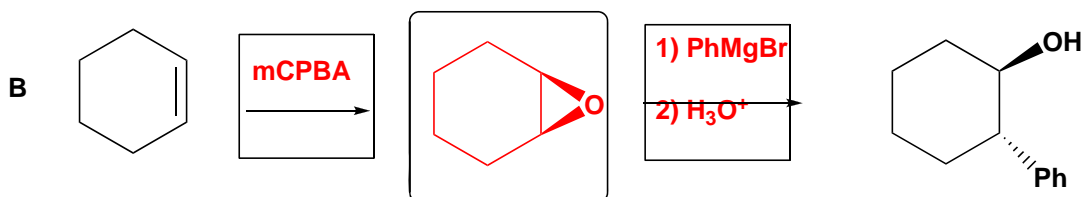
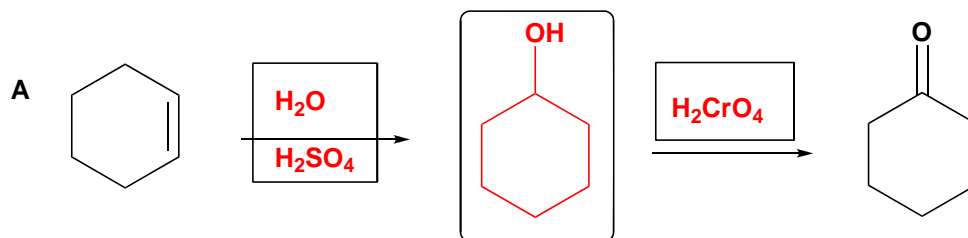


## "Free Style" problem sets for O-Chem 2

**Reactions:** Draw the structure of the products of the following reactions. Include any stereo or regiochemistry, if necessary.



**2) Texas two-step:** Provide both the reagents (in square boxes) and the intermediate product (rounded box) for these synthesis. In some of the steps, there is more than one correct method. (Note, that a second reagent may be required in the square boxes. For example, the acid step of a Grignard addition-please include it.)



**3) Reactions:** Draw the structure of the products of the following reactions. Include any stereo or regiochemistry, if necessary.

