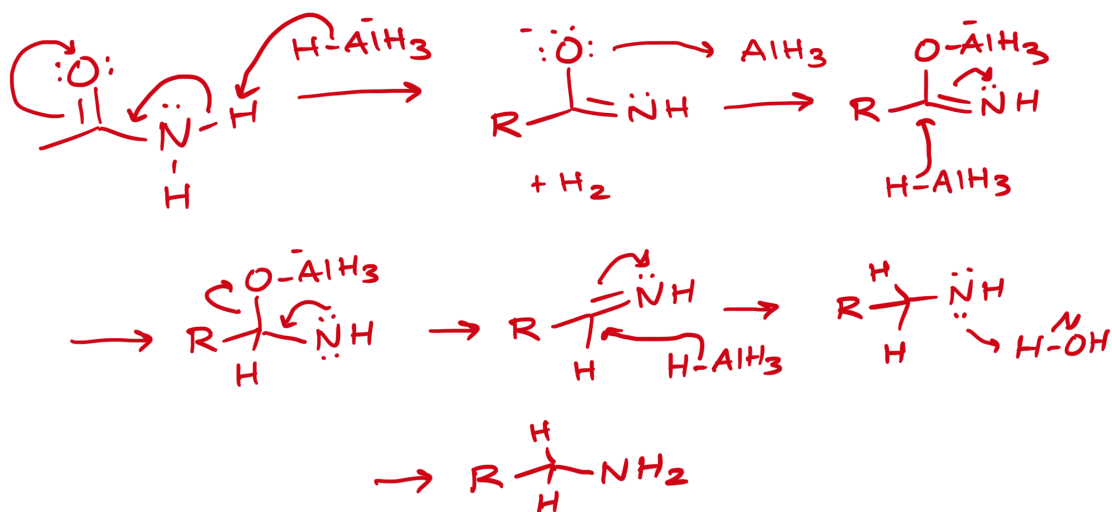
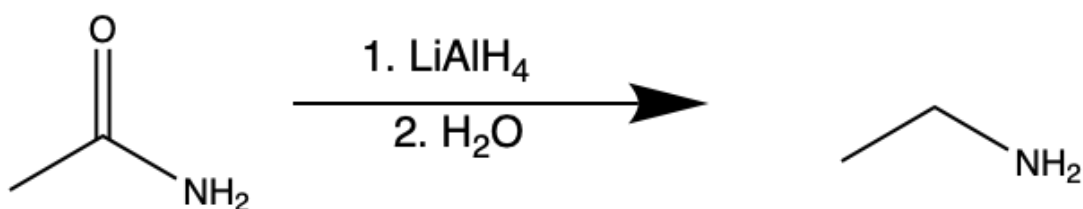
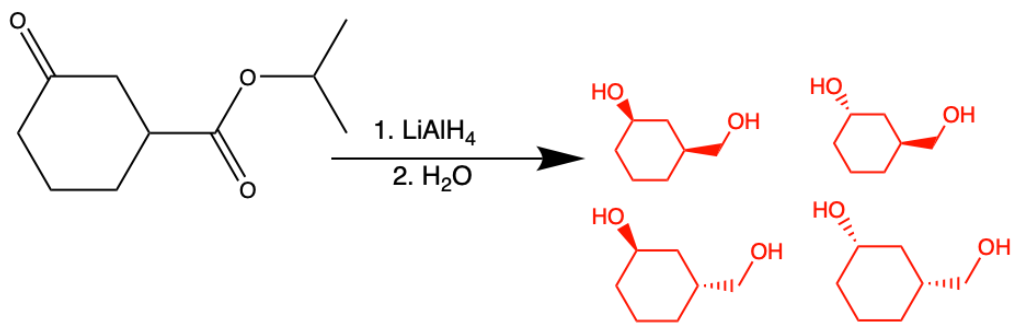
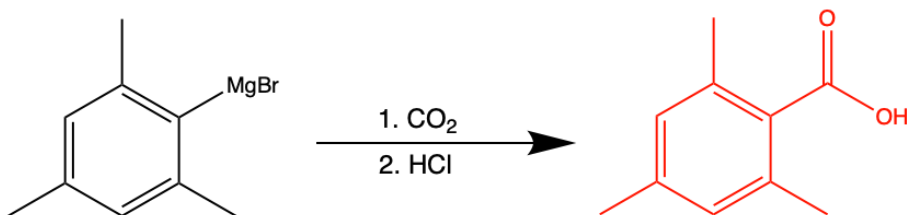


Week 3 Worksheet

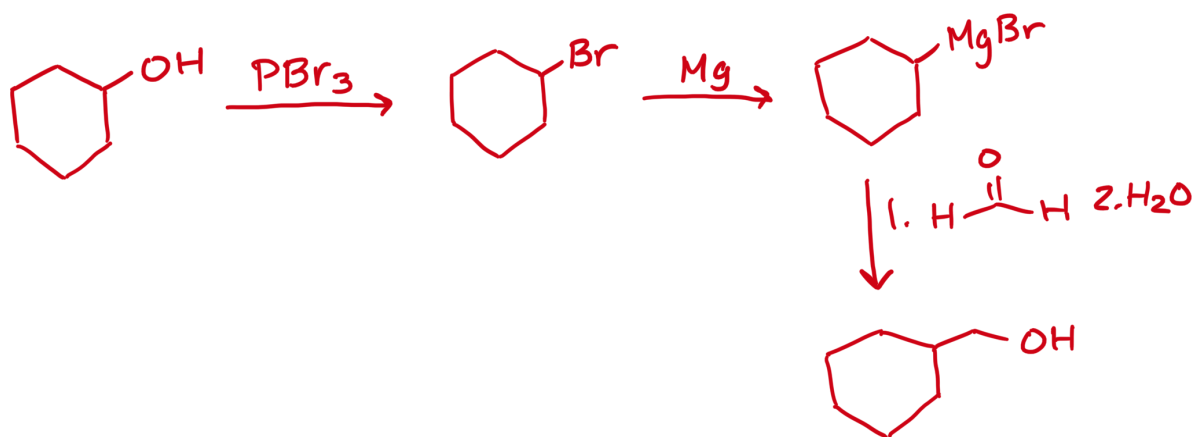
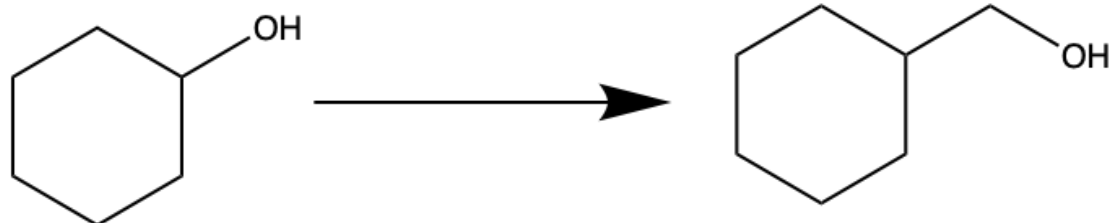
1. Draw the mechanism for amide reduction



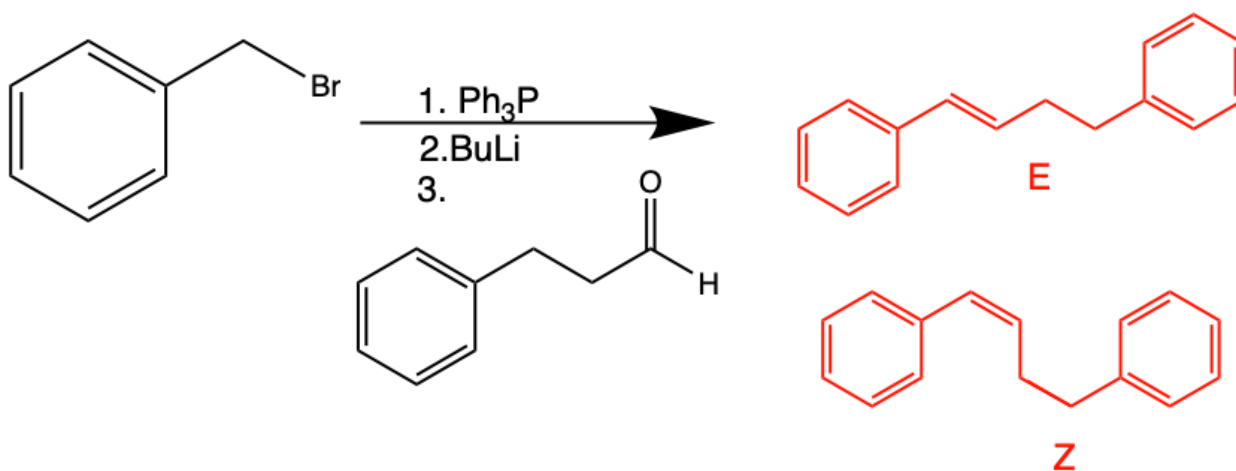
2. Determine the product with the provided starting material and reagents



3. Determine what reagents must be used to produce the product



4. Determine the product with the given reagents



5. Identify the structure of the compound (molecular formula $C_9H_{10}O$) from the 1H NMR & ^{13}C NMR

Splitting pattern from right to left: triplet, quartet, doublet, doublet, singlet

