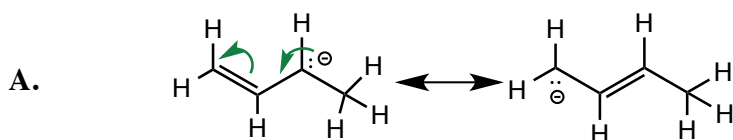
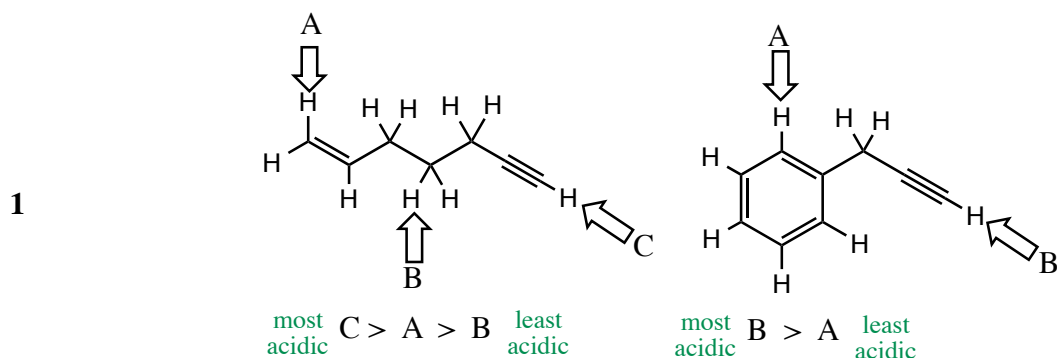
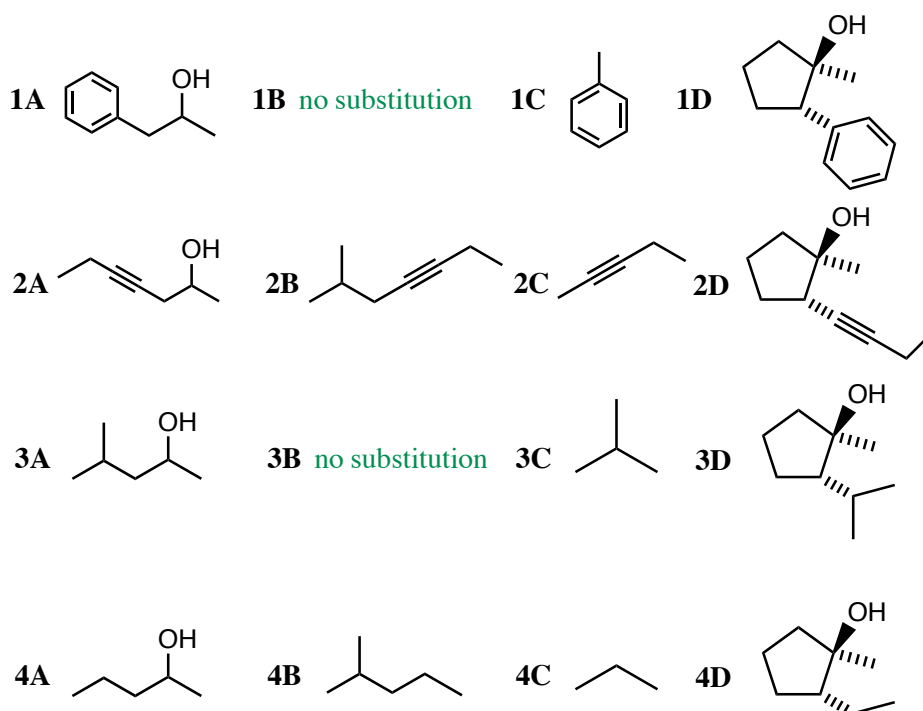
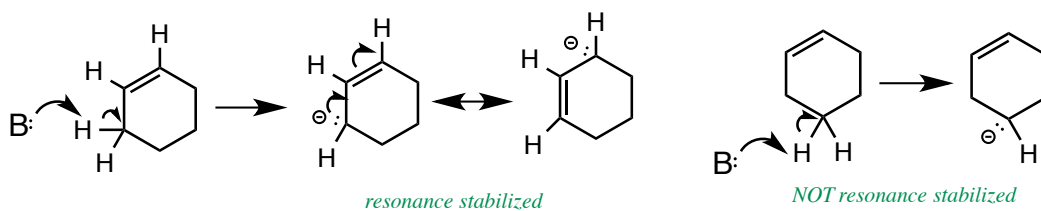


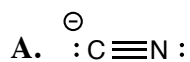
Organometallic Practice Problems

Solutions



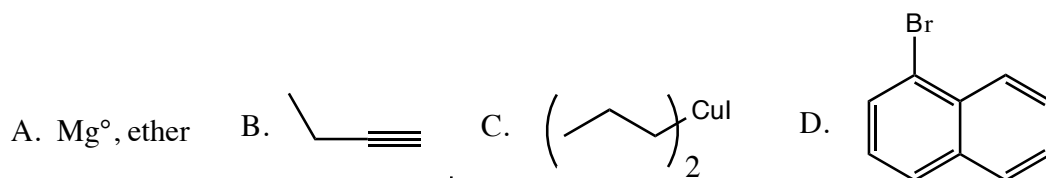
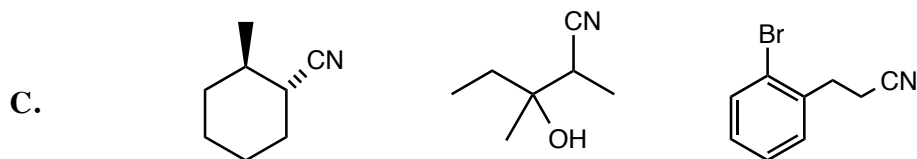
- 2 B.
- the lower pKa for protons A mean that they are more acidic than those marked B
 - the greater acidity can be traced to a more stable conjugate base, which is stabilized by resonance, while the conjugate base from removal of protons B are not stabilized.



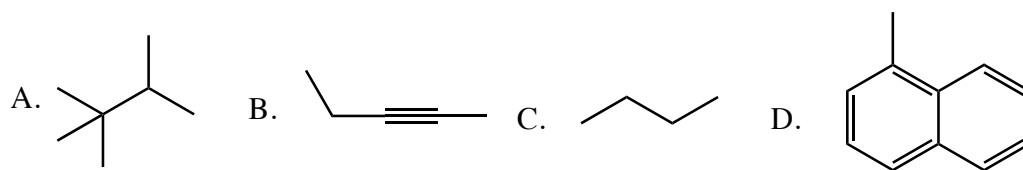
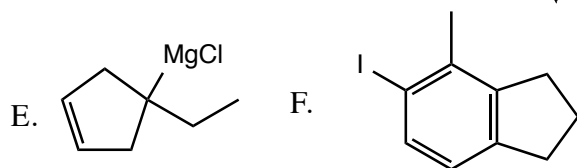


B. A carbon with a lone pair is inherently more nucleophilic than a nitrogen atom because of its lower electronegativity. Additionally, the C atom is rendered even more nucleophilic due to the presence of the negative charge. Hence, reaction will occur at the more nucleophilic C over the N.

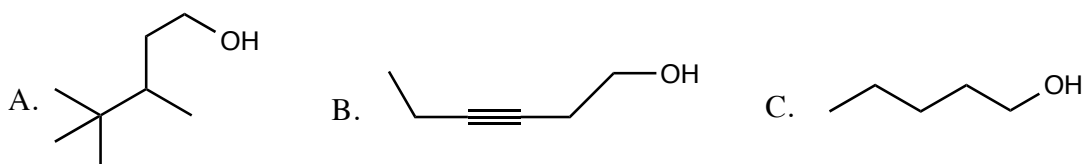
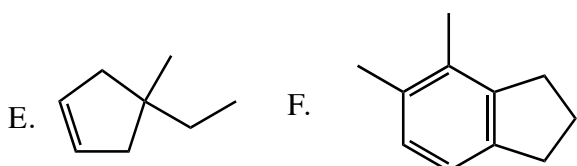
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