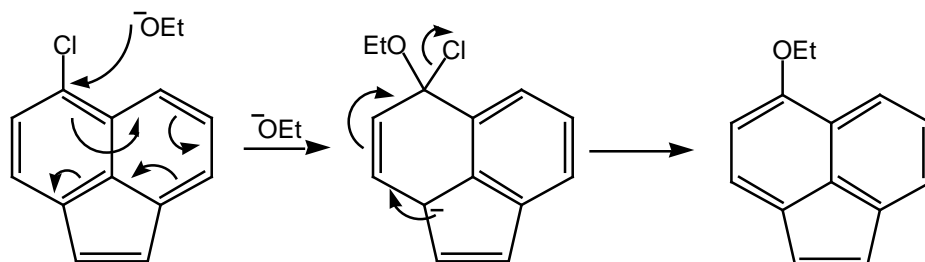


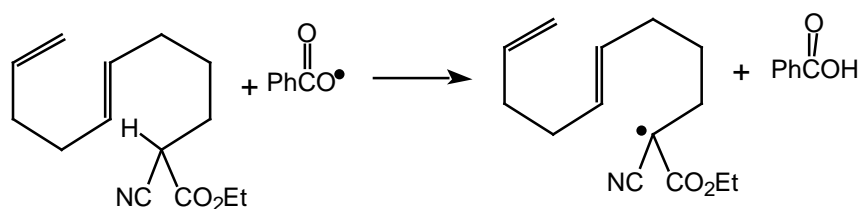
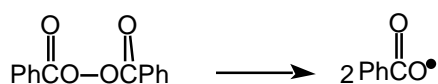
Answers to Problem Set #4
CH242-2002S

- [1] The anion generated from a nucleophilic attack on **B** is much more stable than the one obtained from a similar attack on **A**.



This structure retains the benzene ring, and the five-membered ring may be regarded as an aromatic anion as well.

- [2] A radical chain reaction, initiated by the peroxy ester, could lead to product as follows.



Radical stabilized by resonance involving CN and CO₂Et

