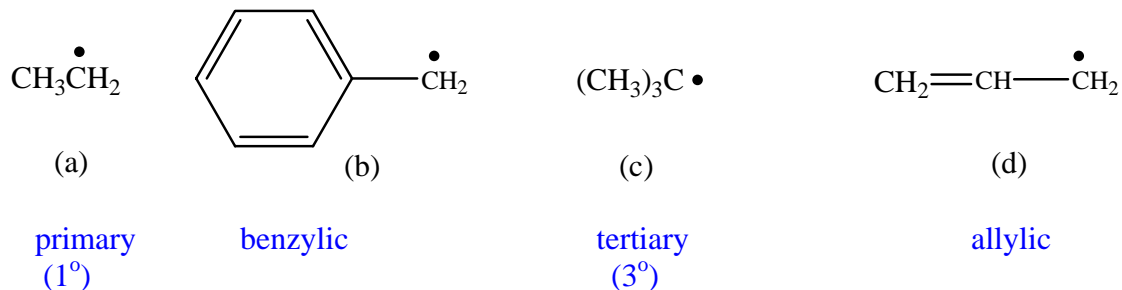


CHEM 201
Quiz # 6 Chapter 6: Free-Radical Reactions

Q1. For the following radicals

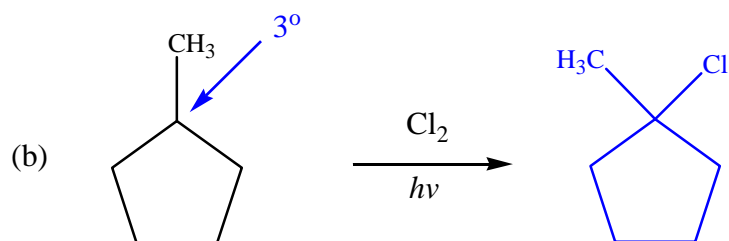
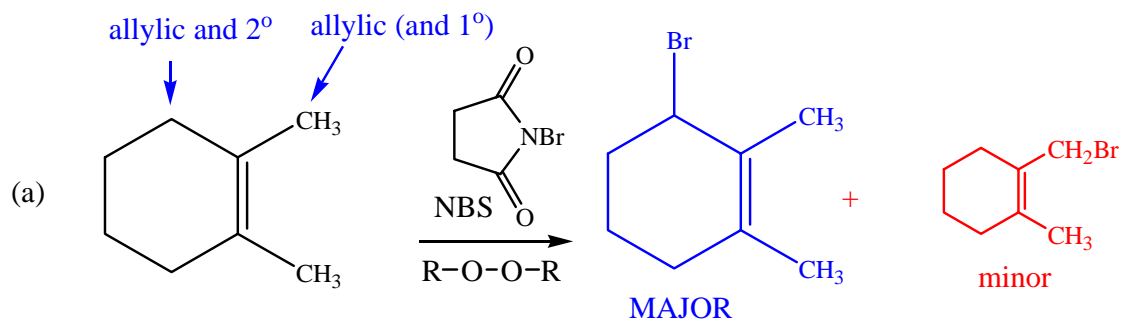


(i) Determine the type of each radical (methyl, 1°, 2°, etc.,)

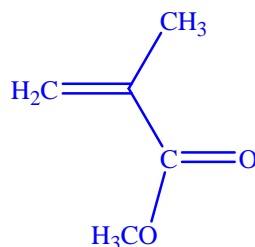
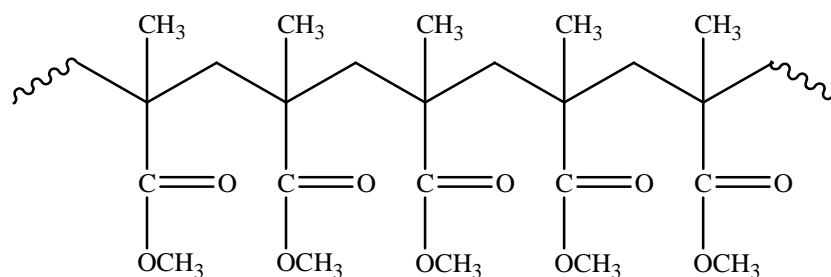
(ii) Rank them in decreasing order of stability (most stable radical first):



Q2. Draw the structure of the **major** product from each of the following free radical reactions:



Q3. Identify the monomer unit in the following polymer:



Q4. Write formulas for all possible dichloro products from the monochlorination of the following compound. Indicate the possible stereochemistry of each dichloro product.

