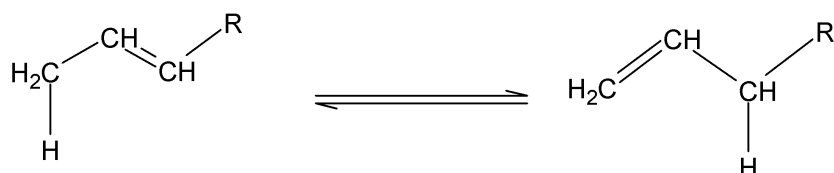
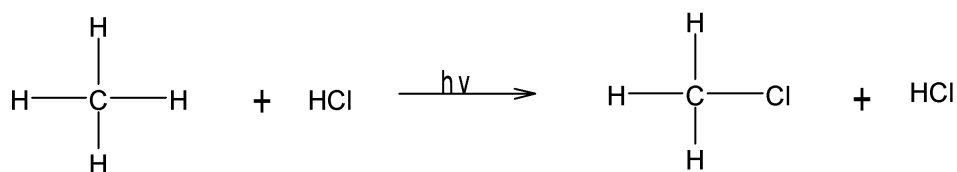
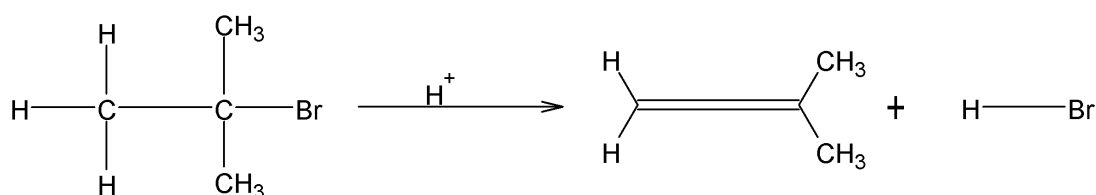
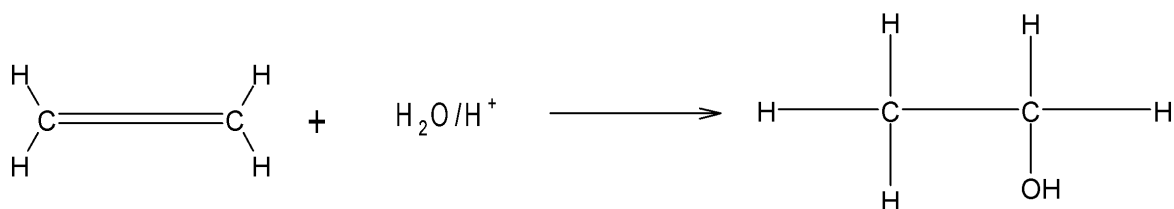


PCH 223 TUTORIAL QUESTION

1. Describe homolytic and heterolytic fission of bond
2. State the following principles
 - a. Aufbau principles
 - b. Hund's rule
 - c. Pauli exclusion principles
3. Differentiate between polar and non-polar bond in organic chemistry
4. List 6 factors that affect reactivity of an organic chemistry
5. Discuss hybridization
6. Identify the following reaction below



7. Define the following with examples
 - a. Nucleophile

- b. Electrophile
 - c. Lewis acid and base
 - d. Bronsted-Lowry acid and base
8. Discuss the factors that affect acid strength
9. How does PH affect the structure of an organic compound?