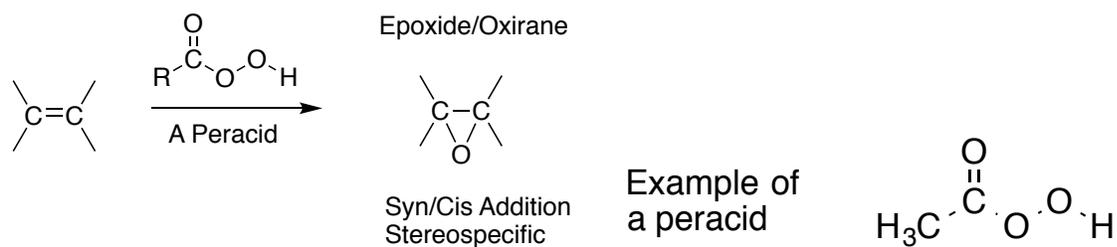
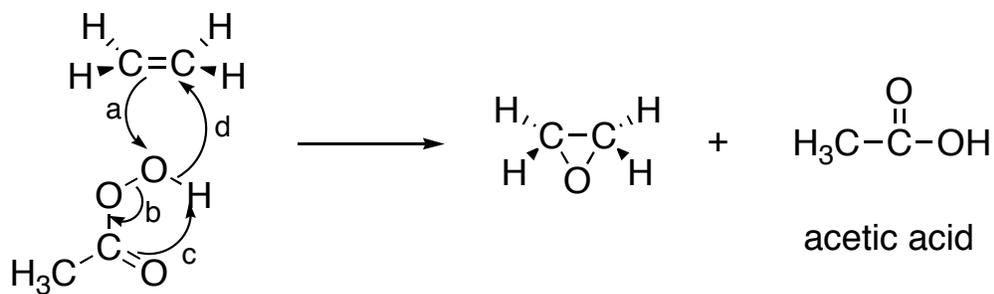
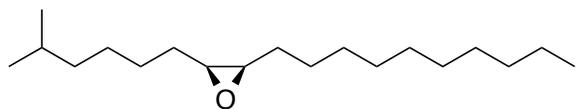
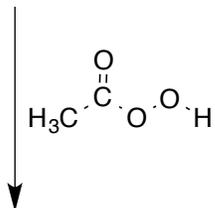
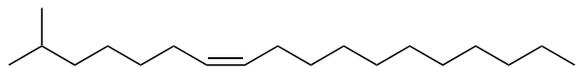


**Oxidation Reactions of Alkenes (Addition Reactions)****Epoxidation:**

Mechanism:



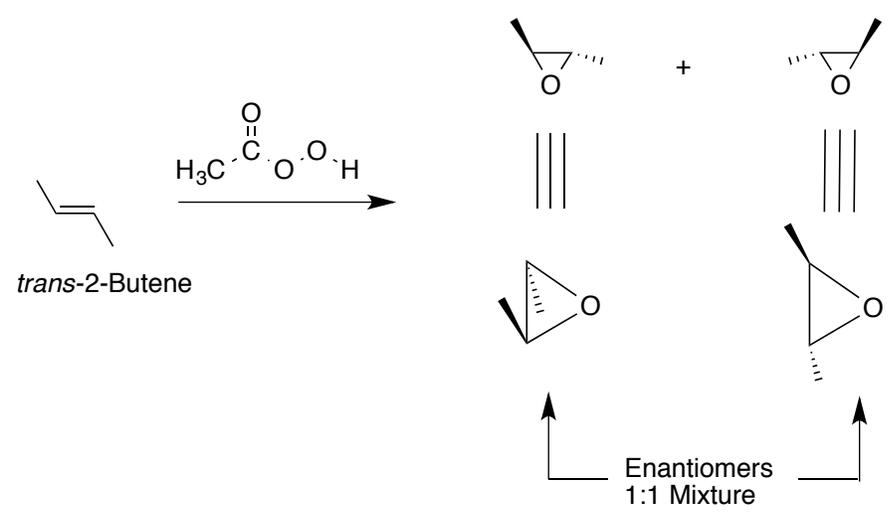
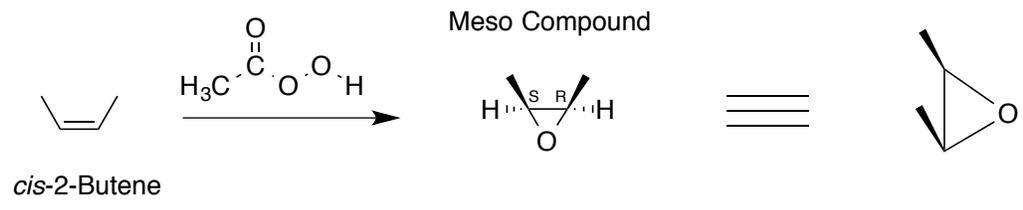
**Example 2:** 2-Methyl-7-octadecene



Sex pheromone for Gypsy Moth

biologically, only one enantiomer is active (one shown) – racemate produced by peracetic acid

**Example :** *trans*- vs *cis*-Butene



The possibility of epoxidation from the top is 50% and from the bottom is 50% so a 1:1 mixture of enantiomers is form (racemic mixture).