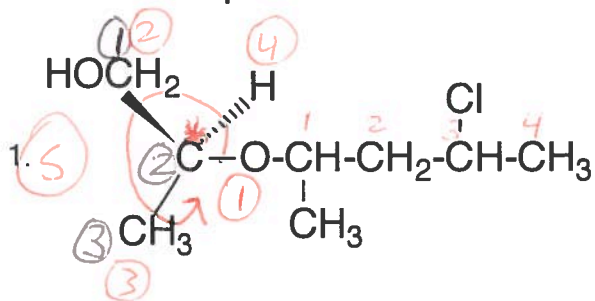


Give an acceptable name for each of the compounds below.

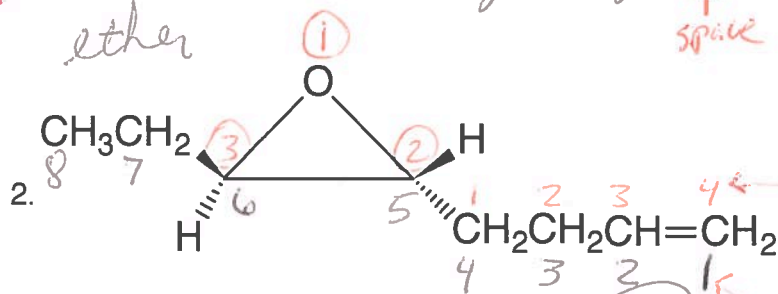


(S)-2-(3-chloro-1-methylbutyl)-1-propanol IUPAC

OR

common: 3-chloro-1-methylbutyl ether

(S)-2-hydroxy-1-methylethyl  
↑  
remember numbering begins with carbon bonded to oxygen in this name

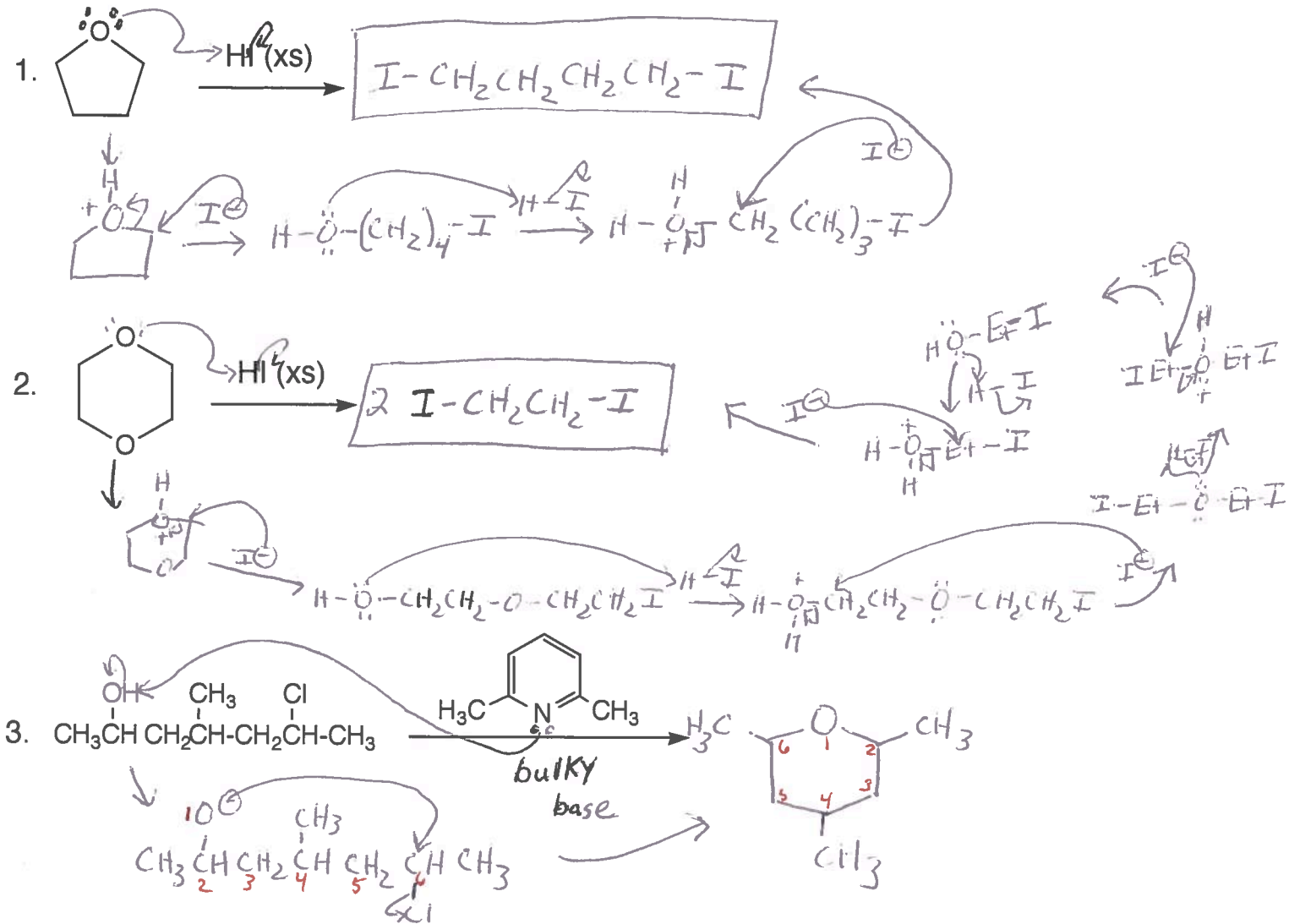


trans-5,6-epoxy-1-octene IUPAC

OR

trans-2-(3-but~~enyl~~)-3-ethyloxirane common

MAD ORG. CHEM "MIN." # 9B



4. Provide a mechanism for the following transformation. Be sure to show all electron movements with curved arrows, show all intermediates, and indicate all formal charges. \* Preview of Chapter 18.

*Knowledge of electrophiles, nucleophiles, and leaving groups provides the correct path!*

