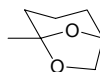
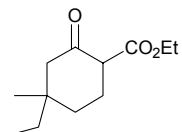
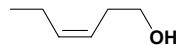
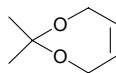
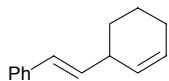
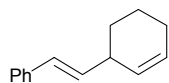


## Year 2 Organic Synthesis: Retrosynthesis

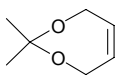
Provide a retrosynthetic analysis of each of the following molecules:



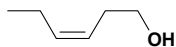
Outline answers (many are analysed in detail in the Warren books)



Wittig, Diels-Alder



Acetonide protection,  
Lindlar hydrogen,  
acetylide +  
formaldehyde



Lindlar hydrogen and  
bis-functionalisation  
of acetylene anions

