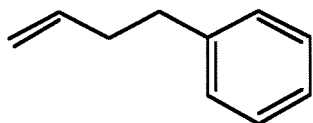


JASPERSE CHEM 341 TEST 3
 Ch. 6 Alkenes: Structure and Reactivity
 Ch. 7 Alkenes: Reactions and Synthesis

VERSION 2

1. F
2. 6-bromo-1-methylcyclohexene
3. (Z)-5-chloro-2-pentene

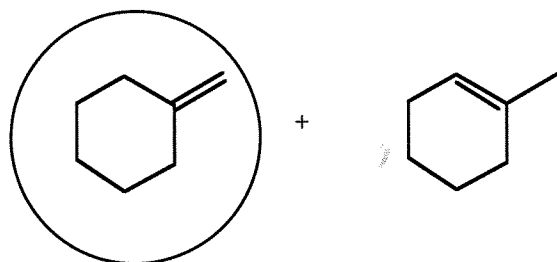


4.

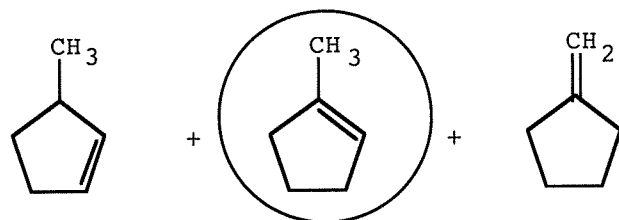


5.

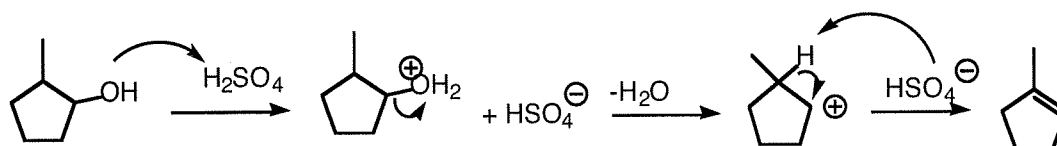
6. B



7.

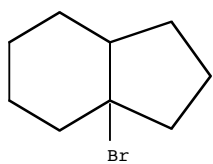


8.

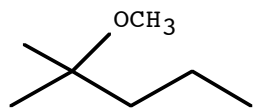


9. C, neither E nor Z

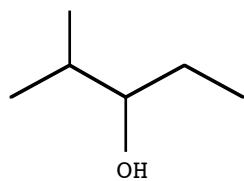
10. There are about 30 different possibilities with 2 elements of unsaturation. Can get to these by various combinations (C=O bonds, C=C bonds, rings...)



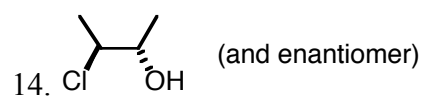
11.



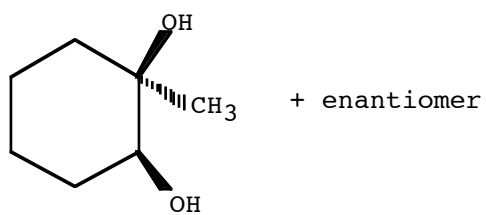
12.



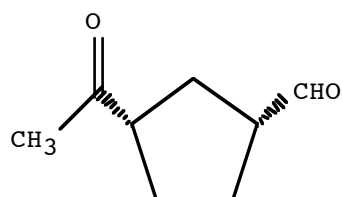
13.



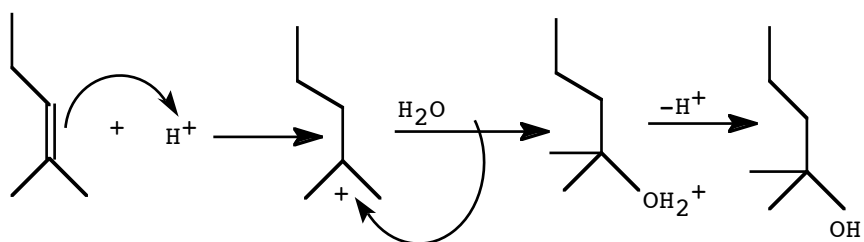
14.



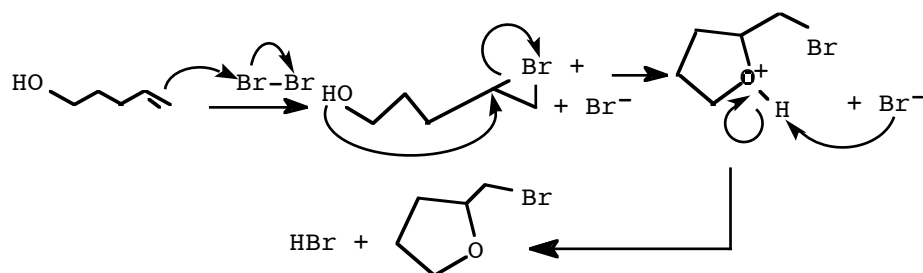
15.



16.



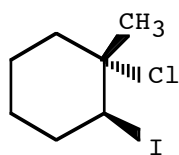
17.



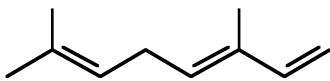
18.

19. 1) H_2SO_4 , heat 2) $\text{CH}_3\text{CO}_3\text{H}$, H_2O

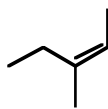
20. C



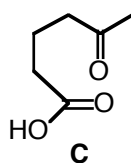
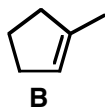
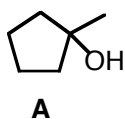
21.



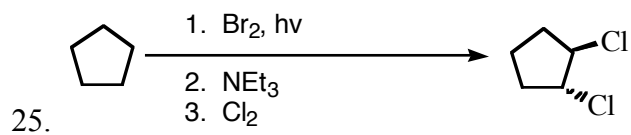
22.



23.



24.



25.