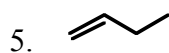
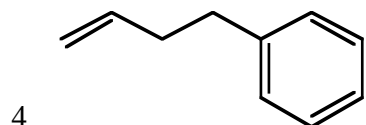


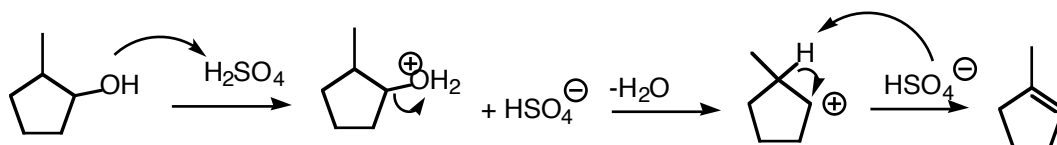
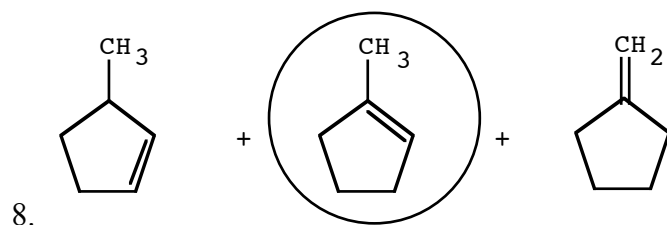
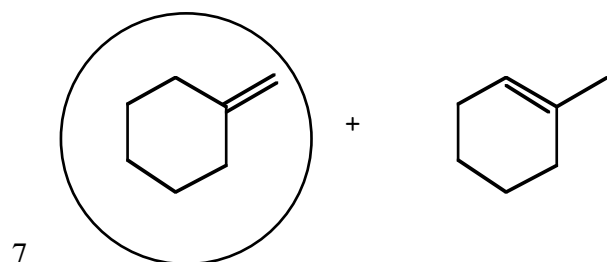
JASPERSE CHEM 350 TEST 3  
 Ch. 7 Structure and Synthesis of Alkenes  
 Ch. 8 Reactions of Alkenes

## VERSION 2 ANSWERS

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

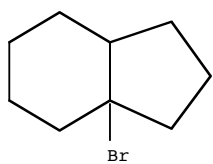


6. B

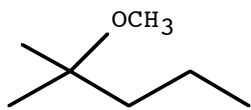


9. C, neither E nor Z

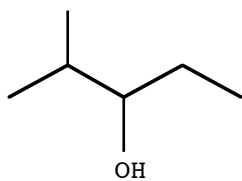
10. There are about 30 different possibilities with 2 elements of unsaturation. Can get to these by various combinations (C=O bonds, C=C bonds, rings...)



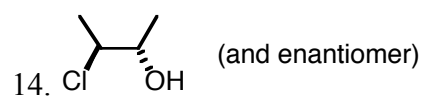
11.



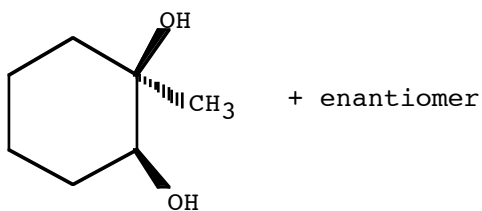
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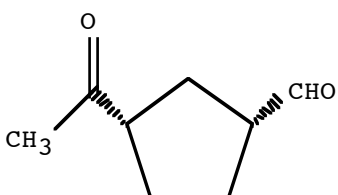
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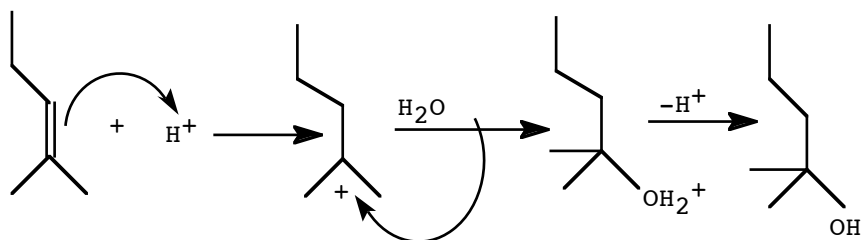
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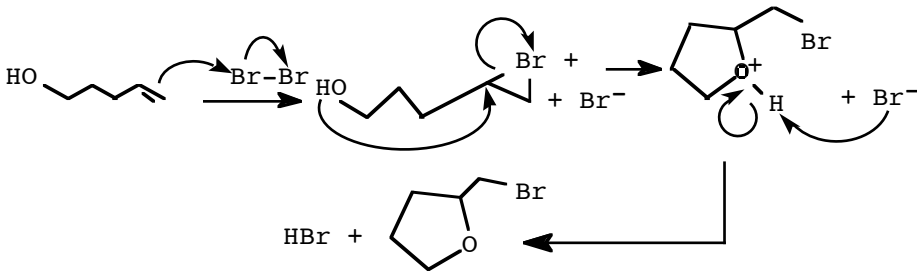
15.



16.



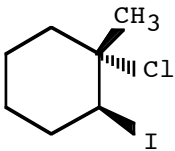
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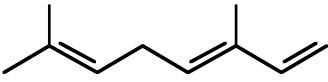
18.

19. 1)  $\text{H}_2\text{SO}_4$ , heat 2)  $\text{CH}_3\text{CO}_3\text{H}$ ,  $\text{H}_2\text{O}$ 

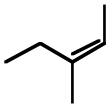
20. C



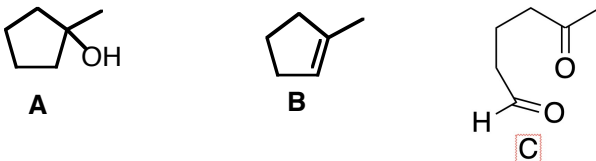
21.



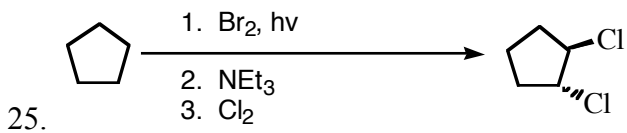
22.



23.



24.



25.