

Test 2A

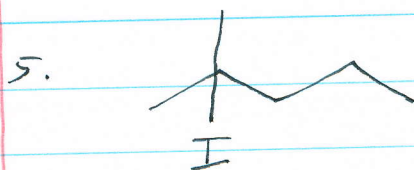
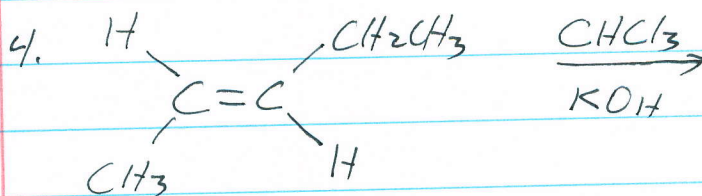
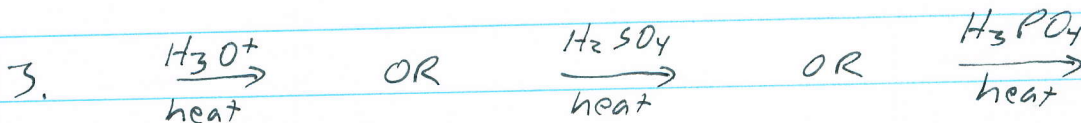
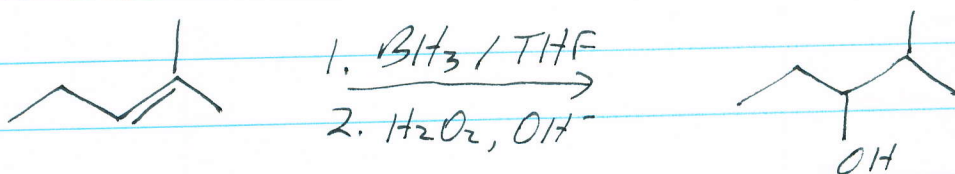
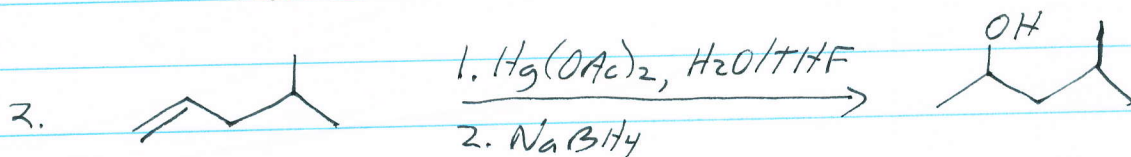
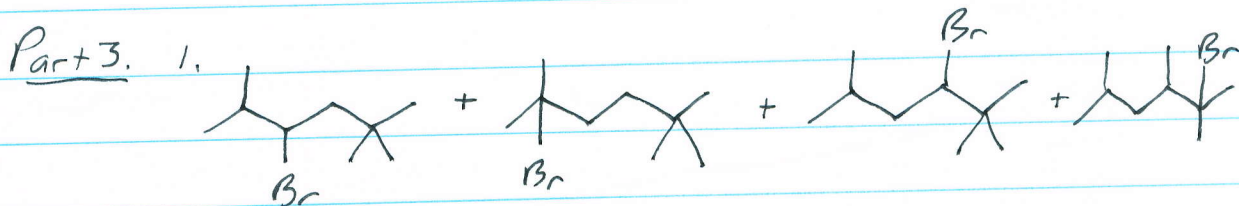
Chem 2321-002

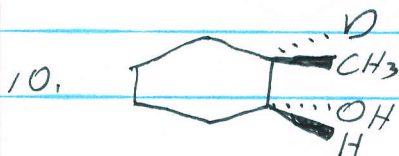
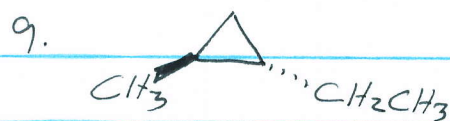
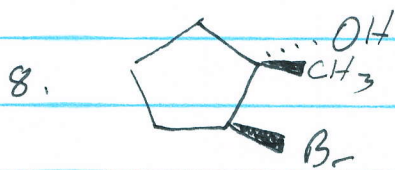
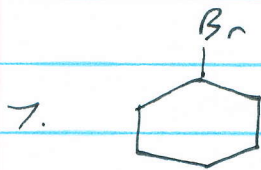
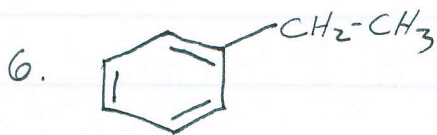
March 12, 2009

McMurry, Ch 5, 6, 7.1-7.7

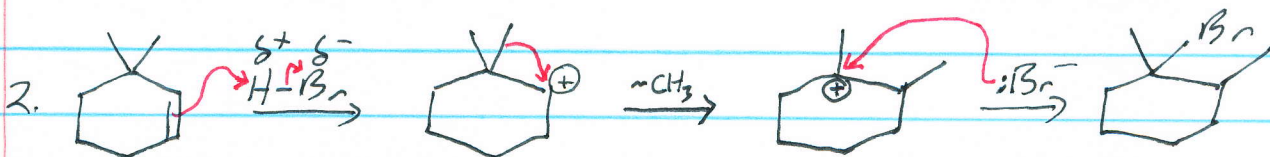
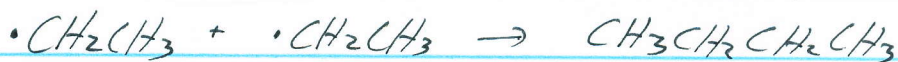
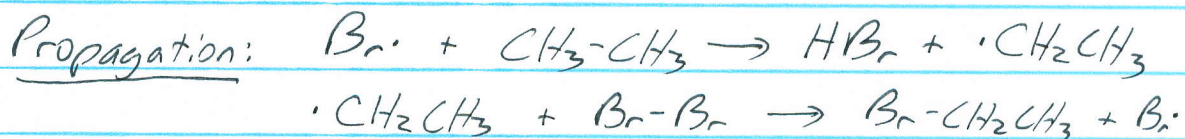
Part 1. 1. B 3. A 5. A 7. E 9. B
2. C 4. C 6. E 8. E 10. D.

Part 2. 1. 5-Bromo-1,3-cyclooctadiene
2. (E)-3-butyl-4-methyl-2-heptene



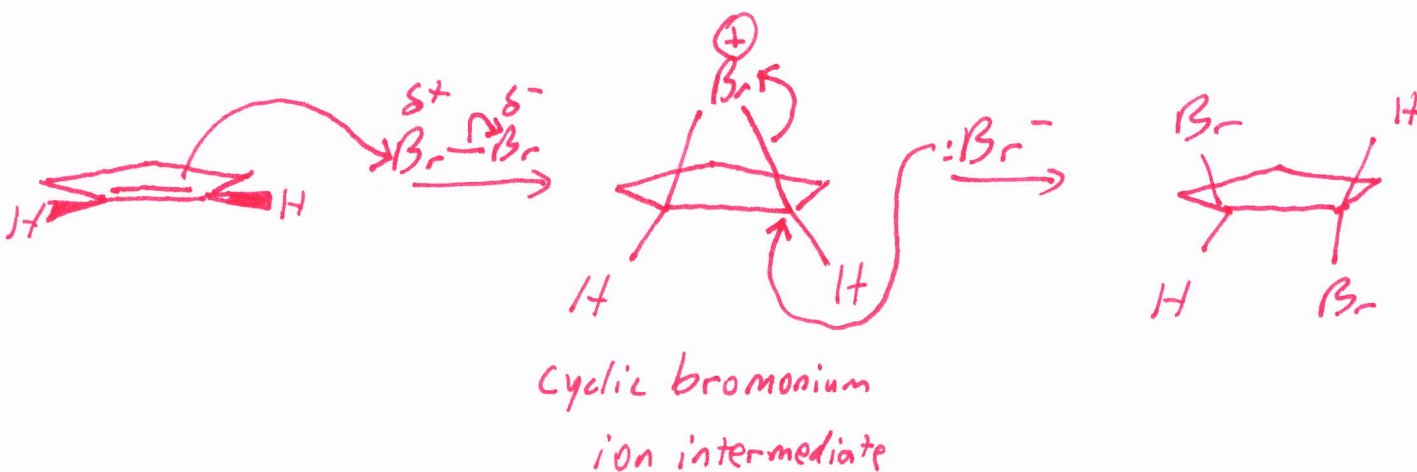


Part 4

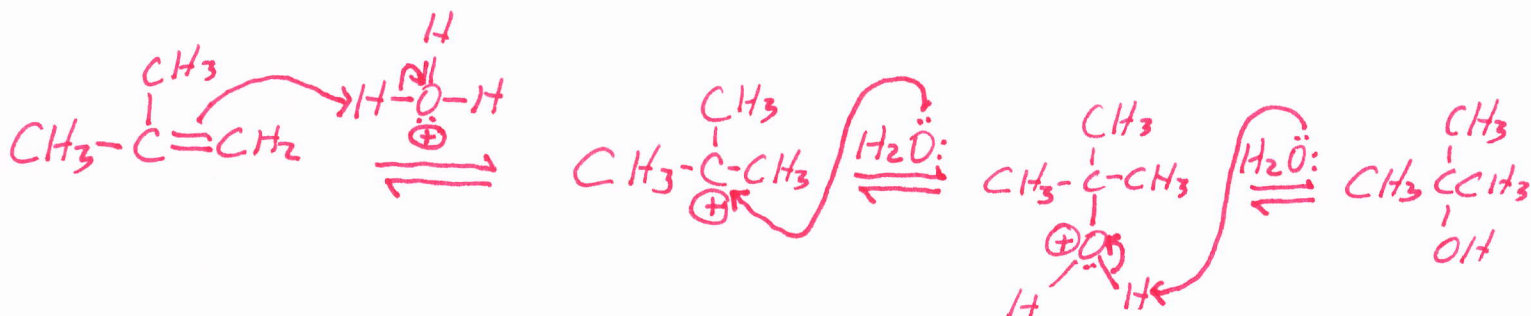


Test 2A

3. Show the complete mechanism for the reaction of cyclopentene with Br_2 in ether using the curved arrow formalism. Be sure to clearly show the stereochemistry.



4. Show the complete mechanism of the acid-catalyzed hydration of 2-methylpropene, using the curved arrow formalism.



5. Show the mechanism for the formation of dichlorocarbene from trichloromethane, using the curved arrow formalism.

