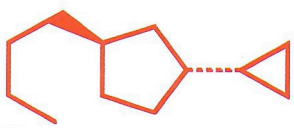
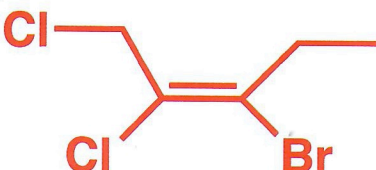


ANSWER SHEET – Chem 261 A3 Midterm Exam – All Answers on This Document –

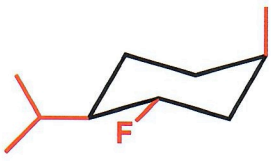
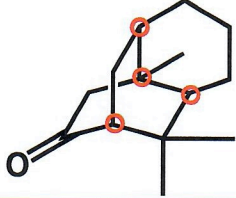
Print Last (Family) Name	First Name	Signature	ID Number (if known)	Leave Blank (Score)
KEY				140

Section I.A. page 2	1. CHCl₃	2. 	3. 
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Section I.A. p2	4. trans-1,4-diethylcyclohexane -2 pts wrong or no stereochemistry
page 3	5. (R)-3-methyl-1-hexene (or (R)-3-methylhex-1-ene) -2 pts wrong/no stereochem

Section I.A. page 3	6. 
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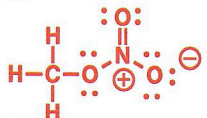
Section I.B. p4	7. enantiomers	8. diastereomers	9. structural isomers	10. identical
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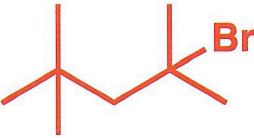
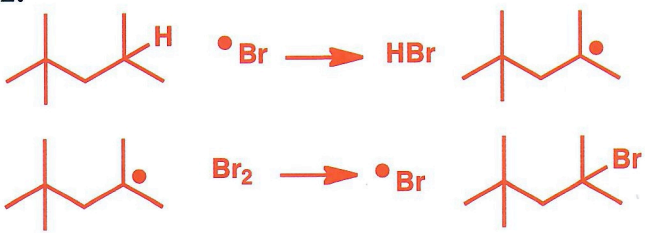
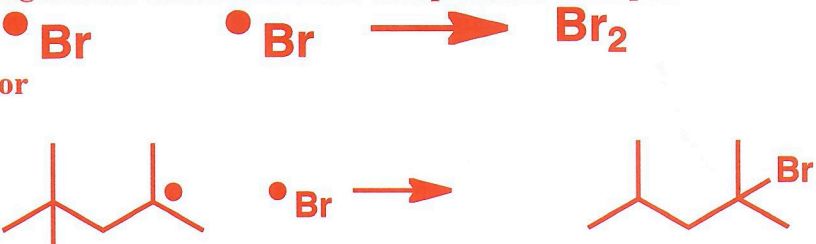
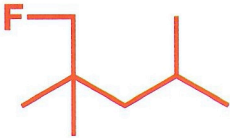
Section I.C. p5	11. 	12. 
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Section I.C. p5	13. four	14. four	15. ketone	16. 14
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Section II.A p6	1. T	2. F	3. T	4. T	5. T	6. T	7. T	8. F	9. T	10. T
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Section II.B p7	11. F	12. T	13. F	14. F	15. F	16. T	17. F	18. F	19. T	20. T
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Section III.A B p 8	1. 	2. 120 °	3. 109 °	4. alcohol	5. sp²
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<p>Section IV.A p 9</p>	<p>1. HBr and</p> 	<p>2.</p> 
<p>Section IV.A p 9</p>	<p>3. Any combination of 2 radical species that are produced in significant amounts will be accepted, for example:</p> 	<p>4.</p> 
<p>Section IV.A P 9</p>	<p>5.</p> 