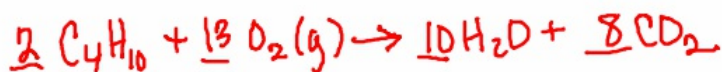
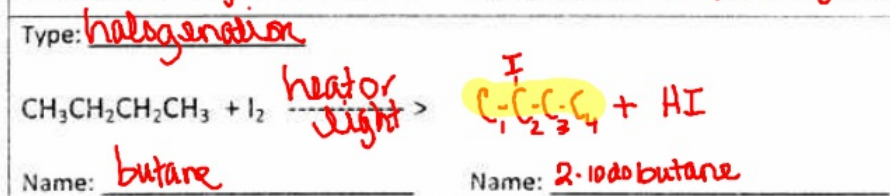
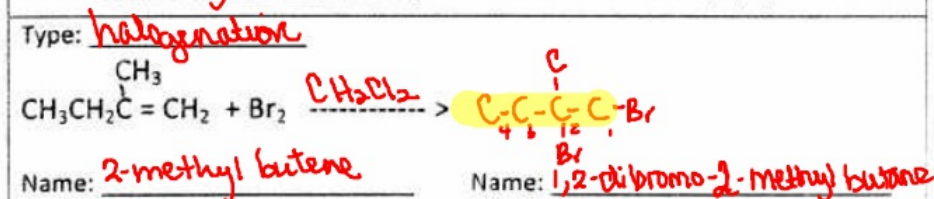
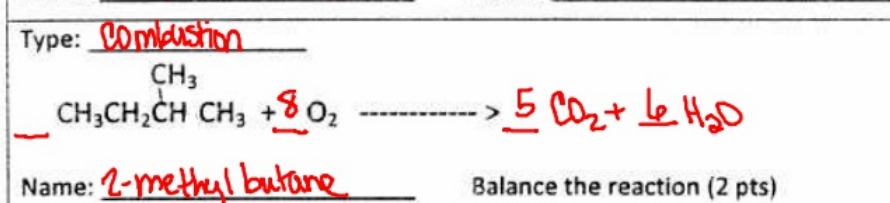
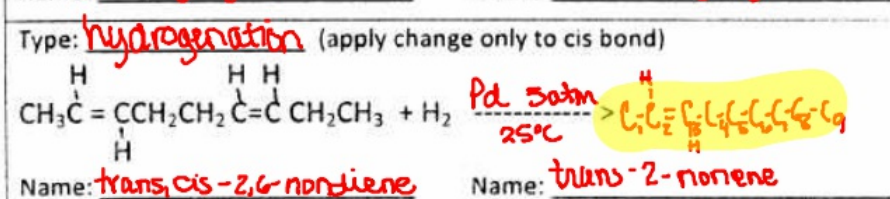
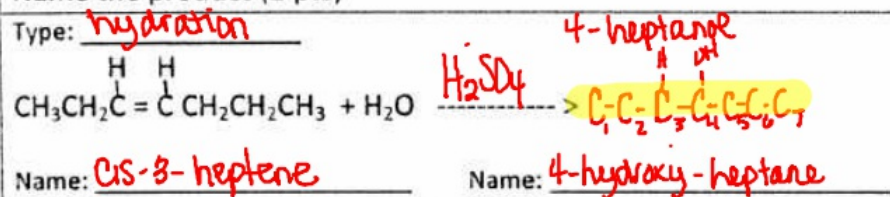


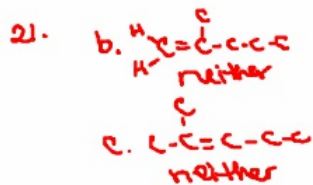
Please record all answers on the form below. (multiple choice are 1/2 pt each)

1. C	26. D
2. C	27. A
3. D	28. C
4. B	29. D
5. D	30. D
6. B	31. A
7. D	32. B
8. D	33. A
9. C	34. B
10. D	35. C
11. D	36. C
12. B	37. C
13. C	38. A
14. C	
15. C	
16. A	
17. A	
18. A/D	
19. A	
20. D	
21. A	
22. A	
23. A	
24. A	
25. B	

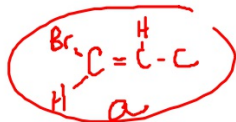
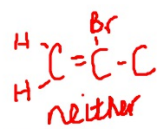
For the chemical reactions: Identify the type of reaction (3 pts)
 Name the organic reactant – Use *cis-trans* where appropriate (2 pts)
 Record any necessary catalyst on the yields sign (2 pts)
 Illustrate the product (3 pts)
 Name the product (2 pts)



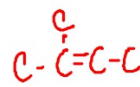
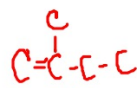
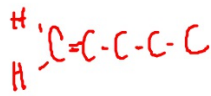
both



19. C_3H_5Br



20. C_5H_{10}



22. C_5H_{10}

