

BLITZ: Ch 29 Organic

Form D-H

Name _____ Period _____

This is a Take Home Exam. You may use your notes but you may NOT use help from human beings.

EXPLAIN IN COMPLETE SENTENCES AND GIVE EXAMPLES:

You MUST HAND WRITE THIS EXAM!! NO TYPED PAPERS WILL BE ACCEPTED!

1. Write "ethyl propanoate" and draw its structural formula.
2. Write the reaction between 2-methyl-1-propene and bromine and name the product formed.
3. Describe the Triple Bond and write the reaction between 1-ethyne + iodine & name the product formed.
4. Write "1,4-dichlorobenzene" (moth crystals) and draw its structure.
5. Write "1-fluoro-2,3-butadiene" and draw its structural formula.
6. Write the (esterification) reaction of methanol with ethanoic acid . Name the products and reactants.
7. Define "Isomers" and give an example of a cis-trans isomer and name it.
8. Write and balance the reaction for the combustion of pentane plus oxygen.
9. Write "1-fluoro-2,2-dibromopropane" and draw its structural formula.
10. Write "3,3,4,4,4-pentanitro-1-butyne" and draw its structural formula.
11. Write the structure for 1,4-dimethylbenzene (also called xylene).
12. Describe the double bond and give three reasons why it is super reactive.
13. Write "2-chloro-1,4-hexadiamine" and draw its structural formula.
14. Draw an Aldehyde with five carbons, an alkoxy, and two bromo's and name it.
15. Draw a compound with three -OH groups and a double-bonded oxygen group and name it.
16. List and tell the functions of five steps of petroleum processing with examples. Include "octane rating".
17. Explain: Denatured Alcohol, Absolute Alcohol, and Proof of Alcohol.
18. Write the structure for 1,4,5-trifluoro-2,4-pentadione. Tell what kind of compound this is.
19. Draw a benzene compound with three alkoxy groups and three nitro groups and name it.
20. Explain: Petroleum Processing.
21. Write the reaction between 1-nitro-2-butyne + Iodine and name the product formed.
22. Write the preparation of acetylene (1-ethyne) from calcium carbide and name the reactants and products.
23. Write the structural formula for 2-bromo-3-iodo-pentanoic acid.
24. Write a polymerization reaction for 1-iodo-1-ethene.
25. Write "2-methyl-1,3-butadiene" and show how it polymerizes (cat poly) into rubber.

When finished, please STAPLE this exam onto your papers and turn in on due date.