NAMING HYDROCARBONS

Name _____

Name the compounds below according to the IUPAC naming system

 2.

6.

3.

$$\begin{array}{c} H \\ H-C \equiv C-C-H \\ H \end{array}$$

7.

4.

8.

STRUCTURE OF HYDROCARBONS

Name _____

Draw the structure of the compounds below.

1. ethane

5. ethyne

2. propene

6. 3, 3-dimethyl pentane

3. 2-butene

7. 2, 3-dimethyl pentane

4. methane

8. n-butyne

	F	l	"	V	C	T	10	N	IAL	G	R	0	U	PS	5
--	---	---	---	---	---	---	----	---	-----	---	---	---	---	----	---

Name _____

Classify each of the organic compounds below as an alcohol, carboxylic acid, aldehyde, ketone, ether or ester, and draw its structural formula.

1. CH₃COOH 6. CH₃CH(OH)CH₃

2. CH₃COCH₃

7. CH₃CH₂COOH

3. CH₃CH₂OH

8. CH₃CH₂COOCH₃

4. CH₃CH₂OCH₃

9. CH3CH2COCH3

5 CH₃CH₂CHO

10. CH₃OCH₃

NAMING OTHER JRGANIC COMPOUNDS

Name _____

Name the compounds below.

1.				
		Н	Н	
		1]	
	H -	C –	C -	OH
		I	1	•
		Н	Н	

2.

4.

5.

7.

8.

9.

10.

STRUCTURES OF OTHER ORGANIC COMPOUNDS

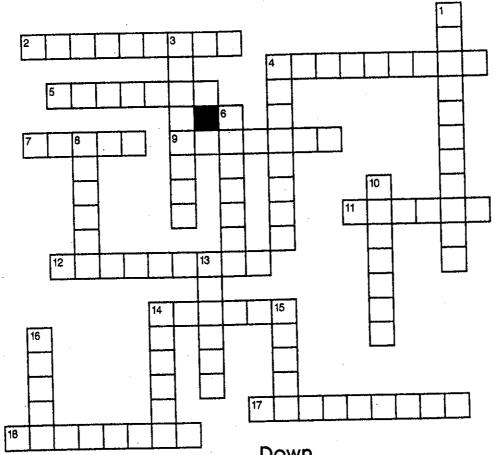
Name	

Draw the structures of the compounds below.

1. butanoic acid	6. methylmethanoate (methyl formate)
2. methanal	7. 3-pentanol
3. methanol	8. methanoic acid (formic acid)
4. butanone	9. propanal
5. diethyl ether	10. 2-pentanone

ORGANIC CHEMISTRY CROSSWORD

Name



Across

- 2. Hydrocarbon containing only single bonds
- 4. Contains two double bonds
- 5. Alcohol in which the hydroxyl group is attached to an end carbon
- 7. An alkane minus one hydrogen. It attaches to another carbon chain.
- 9. Compounds with the same molecular formula, but different structural formulas
- 11. A dihydroxy alcohol
- 12. Alcohol in which the hydroxyl is attached to a carbon attached to two other carbons
- 14. Open chain hydrocarbon containing one double bond
- 17. Organic compounds containing the benzene ring structure
- 18. Describes a hydrocarbon with a side chain of carbon atoms

Down

- 1. An alcohol with only one hydroxyl group in its structure
- 3. Alcohol in which the hydroxyl is attached to a carbon attached to three other carbons
- 4. General formula R-CHO
- 6. High molecular mass compound consisting of repeating units called monomers
- 8. General formula R-CO-R'
- 10. Contains one or more -OH groups
- 13. Saturated open chain hydrocarbon
- 14. Open chain hydrocarbon containing only one triple bond
- 15. Produced by the reaction of an alcohol and an acid
- 16. General formula R-O-R'