Date: Name: Class:

Reinforcement

Chapter 1

BLM 1-3

Naming and Drawing Hydrocarbons

Goal

Practice naming and drawing hydrocarbons.

Procedure

1. Draw condensed structural diagrams for the following hydrocarbons.

(a) methylpropane

(b) 3-ethyl-2-methylpentane

(c) 4-ethyl-2-hexyne

(d) cycloheptene

(e) 1-butyl-2,4-diethylbenzene

2. Draw line structural diagrams for the following hydrocarbons.

(a) cyclopentane

(b) 2,3,4,5-tetramethylhexane

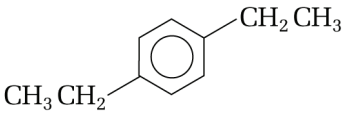
(c) isopropylcyclohexane

(d) 5,6,7-triethyl-4-methyl-2-nonene

(e) 3-methyl-4,4-dipropyl-1-octyne

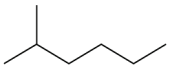
3. Name the following hydrocarbons.

(a)

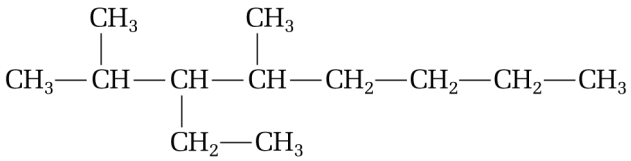


(b) $CH_3CH_2CH{=}CHCH_2CH_2CH_3$

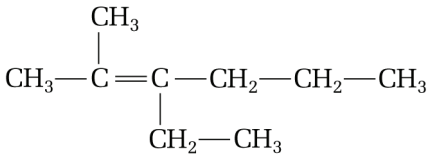
(c)



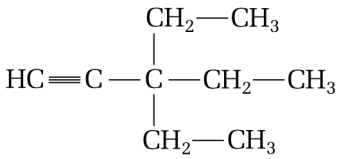
(d)



(e)



(f)



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