Preliminary

Builder Molecules

Part 1: Naming Given the following structures, write the name of the compound. Be sure to include numbers for location of double and triple bonds.

1) 4) CH₃-CH₂-CH₂-CH₂-CH₂-CH₃ CH₂=CH-CH₃ 2) 5) $CH_3-CH_2-CH_2-CH_2-C=C-CH_2-CH_3$ $CH_3-CH_2-CH_2$ CH2-CH2-CH2 CH₂-CH₃ 3) 6) CH=CH \ / CH₃-CH₂-CH=CH₂ CH CH_2 // CH

Part 2: Drawing Structural Diagrams

Given the following names, draw the structural formula of the compound. Be sure to include proper location for branches and location of double and triple bonds.

7) cyclobutene

10) 1,4-heptadiene

8) 2,5-nonadiyne

9) 2,4,6-octatriene

12) 1-propyne

11) ethane

Name: _____