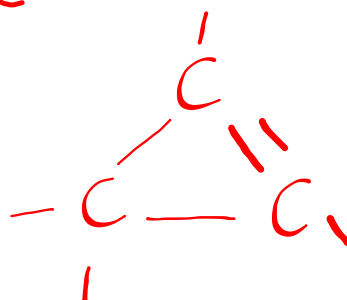
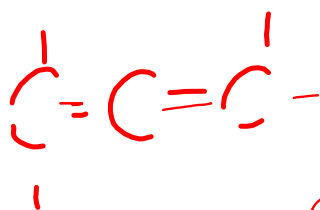
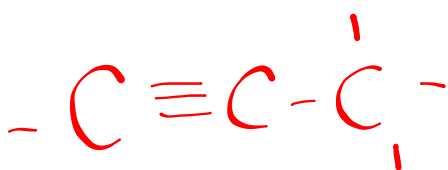


Warm Up

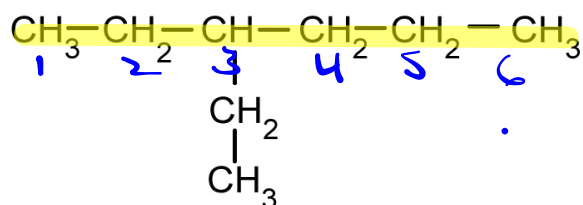
Match each of the following descriptions with the correct chemical formula.

$C_{12}H_{26}$ $C_{10}H_{20}$ C_8H_{14} C_9H_{14} $C_{30}H_{52}$

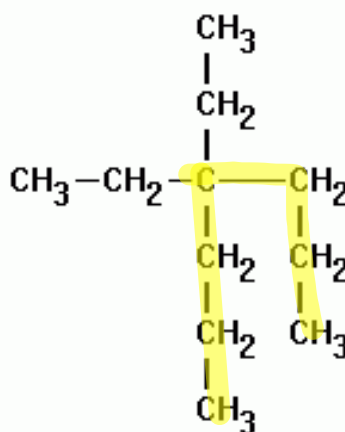
closed ring, two triple bonds
 $C_nH_{2n+2-10}$
 C_nH_{2n-8}
all single bonds (alkane)
cycloalkane
 C_nH_{2n+2-6}
(3) C_nH_{2n-4}
triple bond and double bond
two double bonds



Examples

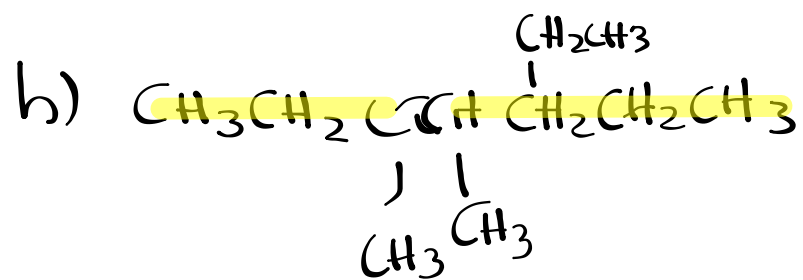


ethylhexane



4,4-diethylheptane

Worksheet - Questions?

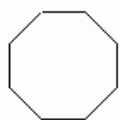


3-ethyl-3,4-dimethylheptane

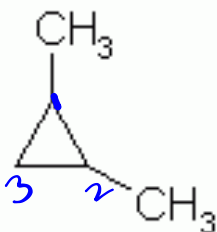
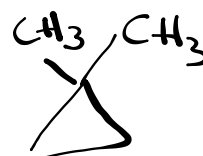
Naming Cycloalkanes

Same rules apply as naming branched alkanes:

- Name parent (ring)
- Number carbons in parent with branches beginning on first carbon (lowest numbering possible)
- Put branches in alphabetical order

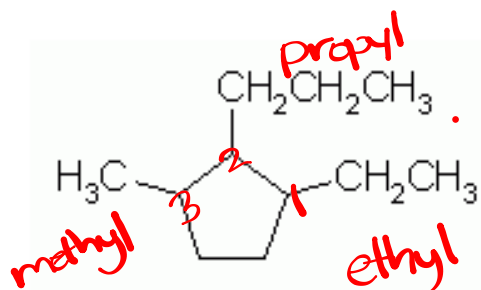


Cyclooctane



1,2-dimethylcyclopropane

1-ethyl-3-methyl-2-propylcyclopentane



Homework

Organic Naming Worksheet