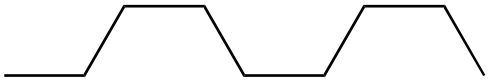
Exercize 7 - Alkanes/cycloalkanes

Name each of the following compounds:

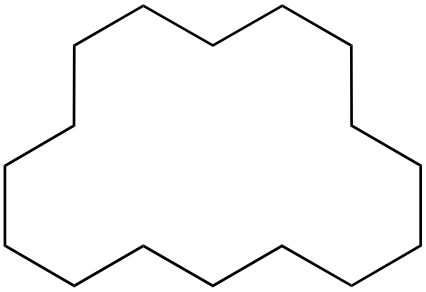
Undecane

$CH_3(CH_2)_9CH_3$

Nonane

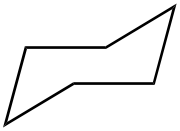


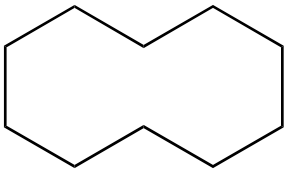
Cyclohexadecane



Cyclodecane

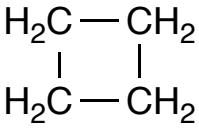
Cyclohexane

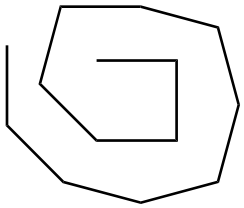


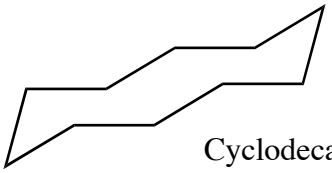


Tetradecane

cyclobutane





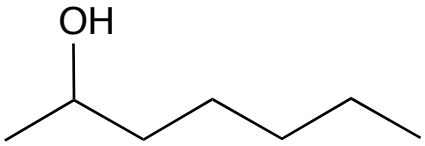


Cyclodecane



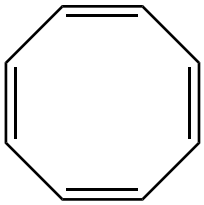
hexadecane

The root name of organic compounds is derived from the number of carbon atoms in the longest continuous chain. For each of the following, determine the length of the longest carbon chain and the name of the corresponding alkane (ie. the root name).

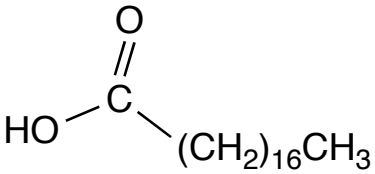


heptane

Cyclooctane

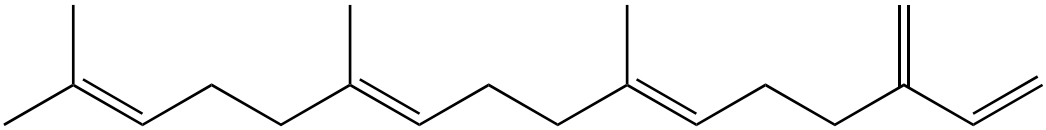


Octadecane



Stearic Acid

hexadecane



β-Springene, a scent obtained from the dorsal galnds of springboks.