

Alkanes Homework

Draw the structures of the following alkanes.

propane

octane

2-methylpentane

3-ethyl-4-propyloctane

3-*t*-butylhexane

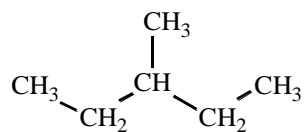
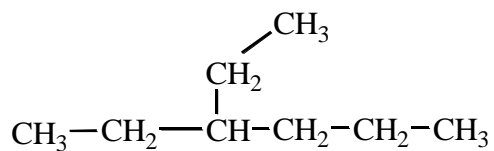
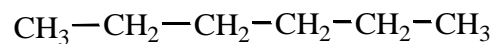
5-*s*-butyldecane

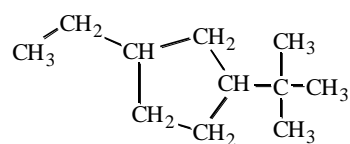
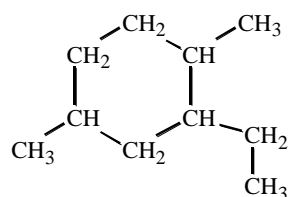
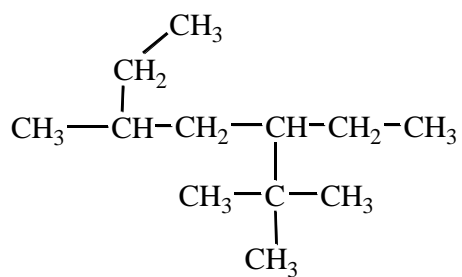
3-isopropylpentane

ethylcyclobutane

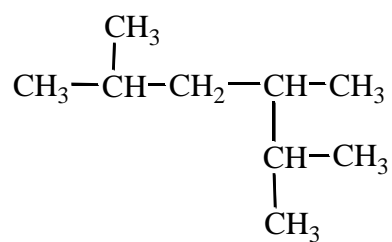
4-isobutyl-1-methylcyclohexane

What is the correct systematic name (both current and old) for the following structures?





What is wrong with the following name for the associated structure? Fix the problem.



2-isopropyl-4-methylpentane