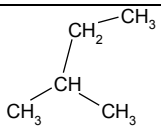
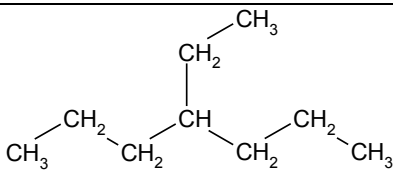
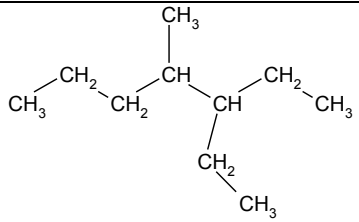
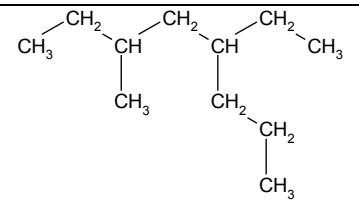
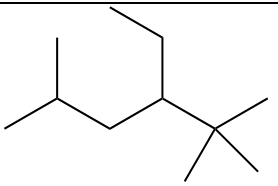
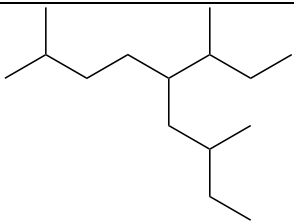
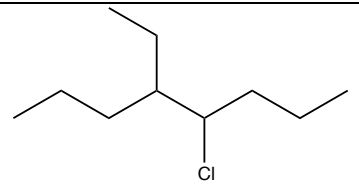
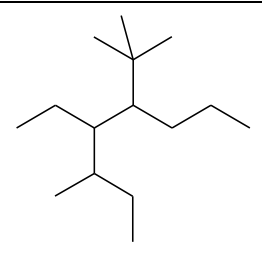
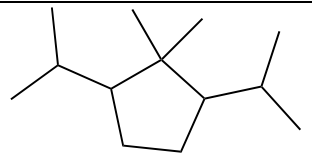
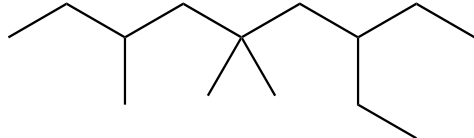
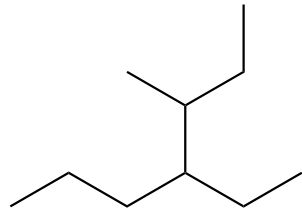
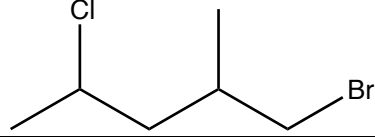
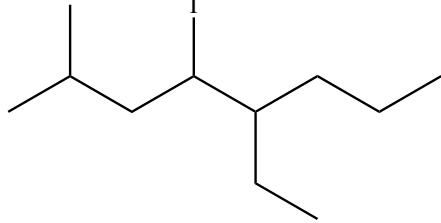
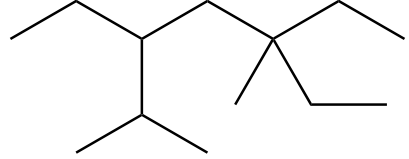
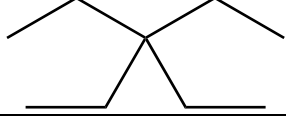
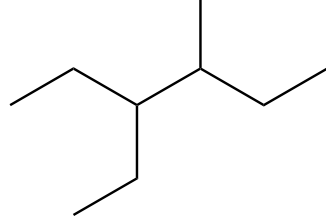
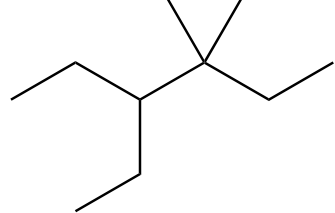
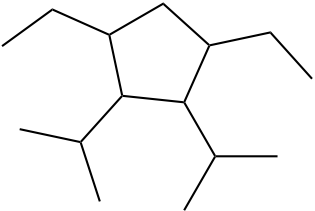
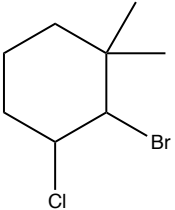
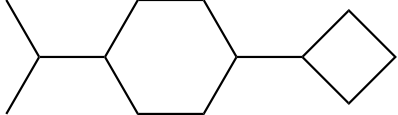
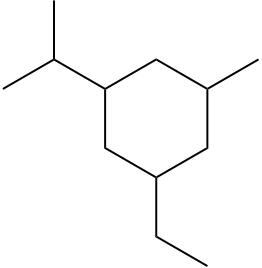
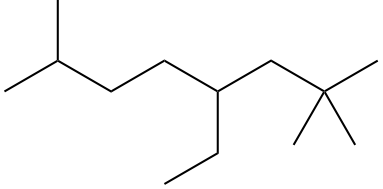
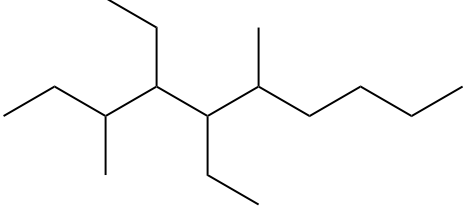
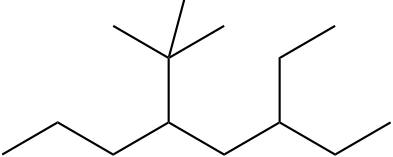
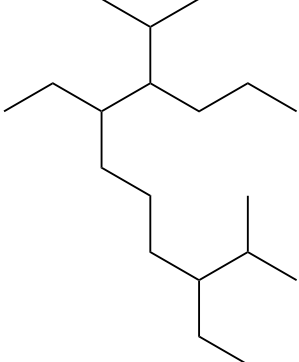
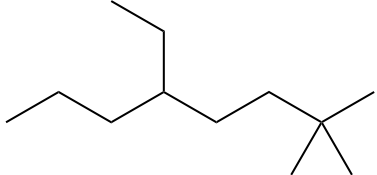
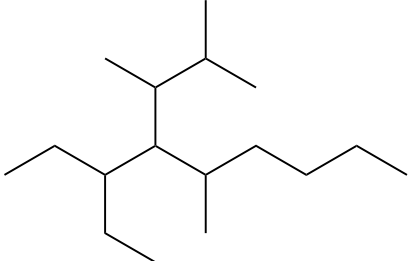
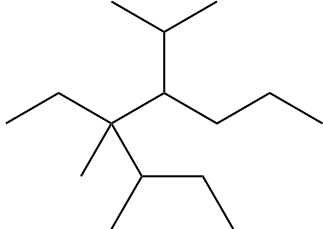
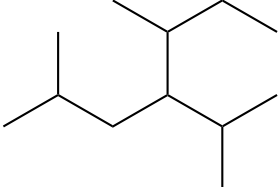
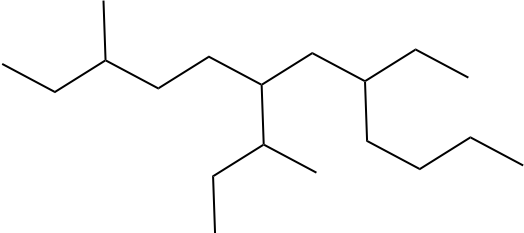


Practice Problems on Alkane Nomenclature - **Answers**

1		2-methylbutane
2		4-ethylheptane
3		3-ethyl-4-methylheptane
4		5-ethyl-3-methyloctane
5		3-ethyl-2,2,5-trimethylhexane
6		5-sec-butyl-2,7-dimethylnonane
7		4-chloro-5-ethyloctane
8		5-tert-butyl-4-ethyl-3-methyloctane
9		1,3-diisopropyl-2,2-dimethylcyclopentane

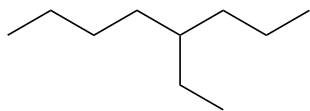
10		3-ethyl-5,5,7-trimethylnonane
11		4-ethyl-3-methylheptane
12		1-bromo-4-chloro-2-methylpentane
13		5-ethyl-4-iodo-2-methyloctane
14		3,5-diethyl-2,5-dimethylheptane
15		3,3-diethylpentane
16		3-ethyl-4-methylhexane
17		4-ethyl-3,3-dimethylhexane

18		1,4-diethyl-2,3-diisopropylcyclopentane
19		2-bromo-3-chloro-1,1-dimethylcyclohexane
20		1-cyclobutyl-4-isopropylcyclohexane
21		1-ethyl-3-isopropyl-5-methylcyclohexane
22		4-ethyl-2,2,7-trimethyloctane
23		4,5-diethyl-3,6-dimethyldecane
24		5-(<i>tert</i> -butyl)-3-ethyloctane
25		3,7-diethyl-8-isopropyl-2-methylundecane

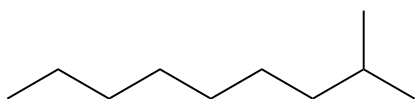
26		5-ethyl-2,2-dimethyloctane
27		4-(1-ethylpropyl)-2,3,5-trimethylnonane
28		4-ethyl-5-isopropyl-3,4-dimethyloctane
29		4-isopropyl-2,5-dimethylheptane
30		6-sec-butyl-8-ethyl-3-methyldodecane

Draw structural formulas for each of the following.

1) 4-ethyloctane



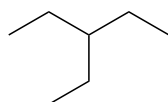
2) 2-methylnonane



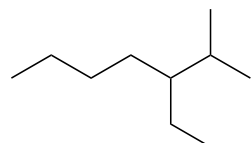
3) 3,3-dimethylpentane



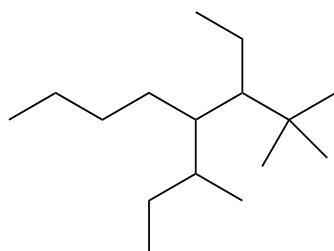
4) 3-ethylpentane



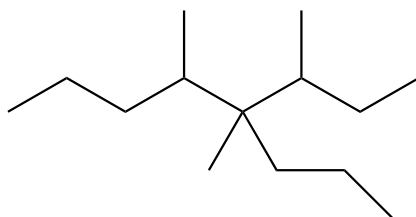
5) 3-ethyl-2-methylheptane



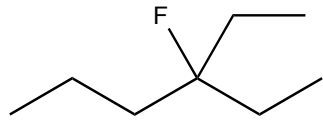
6) 3-ethyl-4-(1-methylpropyl)-2,2-dimethyloctane



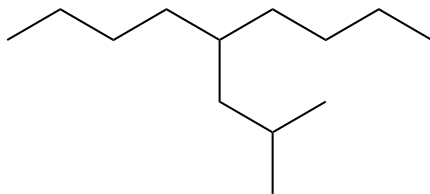
7) 3,4,5-trimethyl-4-propyloctane



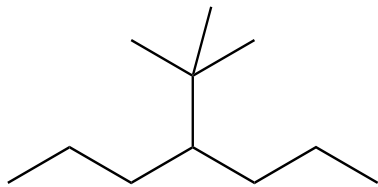
8) 3-ethyl-3-fluorohexane



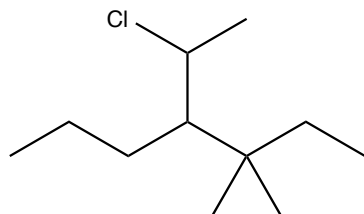
9) 5-(2-methylpropyl)nonane



10) 4-*tert*-butylheptane



11) 4-(1-chloroethyl)-3,3-dimethylheptane



12) 5,5-dimethyl-6-(1,2,2-trimethylpropyl)decane

