

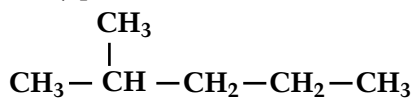


## Review of Hydrocarbons: Naming Aliphatic and Aromatic Hydrocarbons, Solution

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1. For each of the following IUPAC names draw a structural diagram.

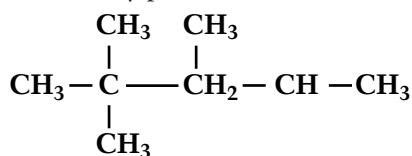
(a) 2-methylpentane



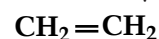
(b) octane



(c) 2,2,3-trimethylpentane



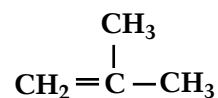
(d) ethene (ethylene)



(e) propyne



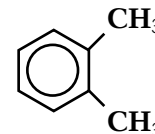
(f) methylpropene



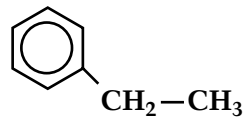
(g) cyclohexane



(h) 1,2-dimethylbenzene



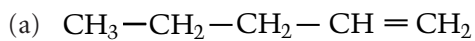
(i) ethylbenzene



(continued)

## LSM 1.2-3

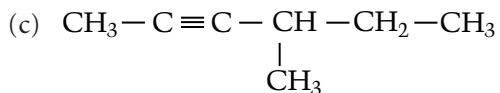
2. For each of the following structural diagrams, write the IUPAC name.



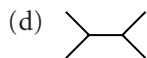
**1-pentene**



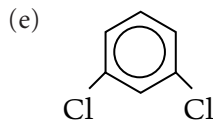
**3,4,4-trimethyl-2-pentene**



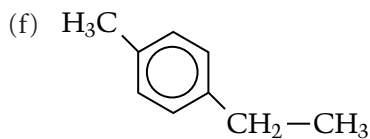
**4-methyl-2-hexyne**



**2,3-dimethylbutane**



**1,3-dichlorobenzene**



**1-ethyl-4-methylbenzene**