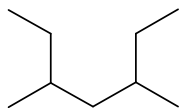


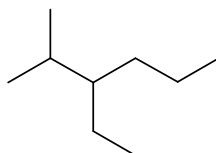
SCH 4U1 - Organic Chemistry

Nomenclature

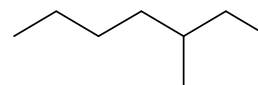
1. Provide names and show the numbering on the main chain:



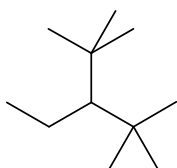
3,5-Dimethyl-heptane



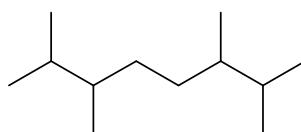
3-Ethyl-2-methyl-hexane



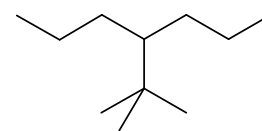
3-Methyl-heptane



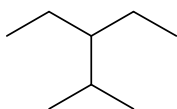
3-Ethyl-2,2,4,4-tetramethyl-pentane



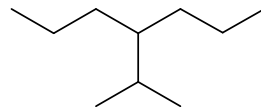
2,3,6,7-Tetramethyl-octane



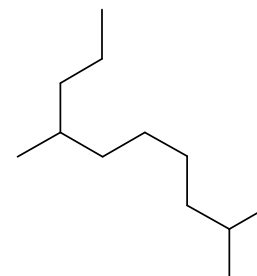
4-tert-Butyl-heptane



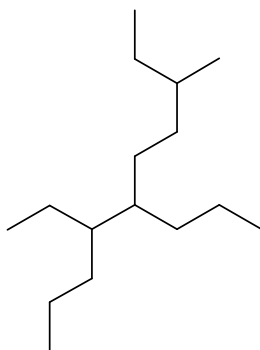
3-Ethyl-2-methyl-pentane



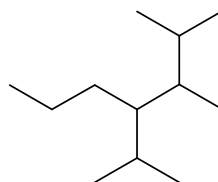
4-Isopropyl-heptane



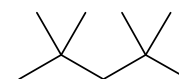
2,7-Dimethyl-decane



7-Ethyl-3-methyl-6-propyl-decane



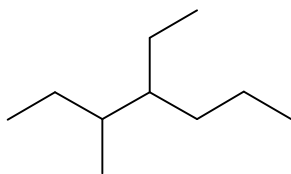
4-Isopropyl-2,3-dimethyl-heptane



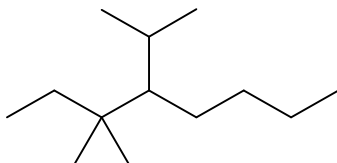
2,2,4,4-Tetramethyl-pentane

2. Draw structures of each of the following:

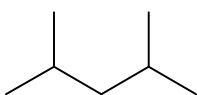
a) 4-ethyl-3-methylheptane



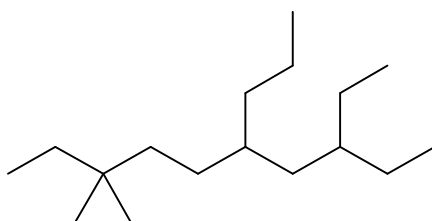
b) 4-isopropyl-3,3-dimethyloctane



c) 2,4-dimethylpentane



d) 8-ethyl-3,3-dimethyl-6-propyldecane



e) 5-n-butyl-4-t-butylnonane

