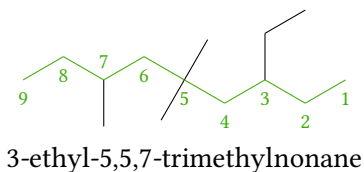
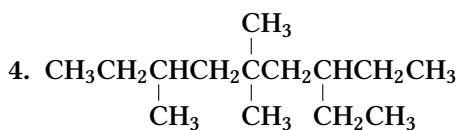
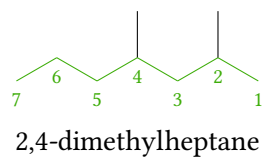
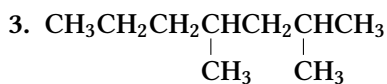
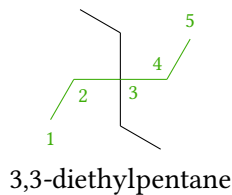
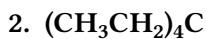
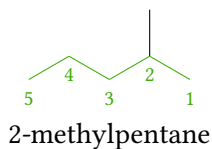


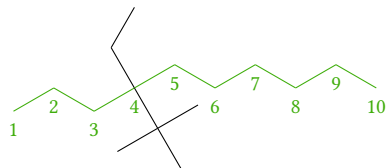
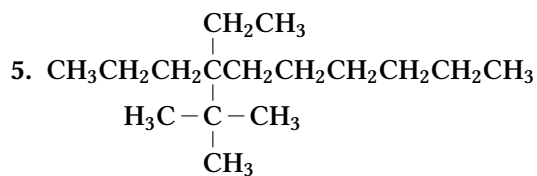
CHEM 264 Bonus Quiz

Brandon Tsang

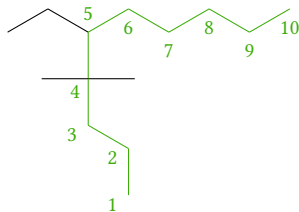
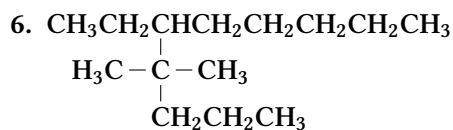
May 15, 2020

(Questions 1–7.) Provide an IUPAC name for each of the following alkanes. To do these questions, I will draw the line-angle diagram, highlight the main chain, and number the carbons.

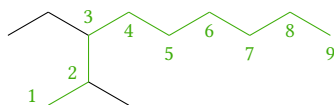
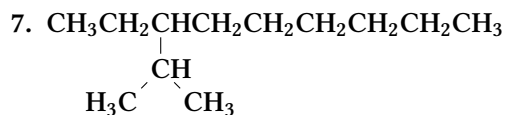




4-*tert*-butyl-4-ethyldecane

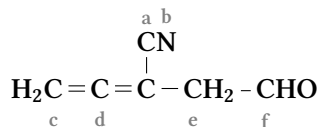


5-ethyl-4,4-dimethyldecane



3-ethyl-2-methylnonane

8. For the following compound, indicate the hybridization (sp , sp^2 , sp^3) corresponding to each of the labeled elements (a to f).



The hybridizations are:

