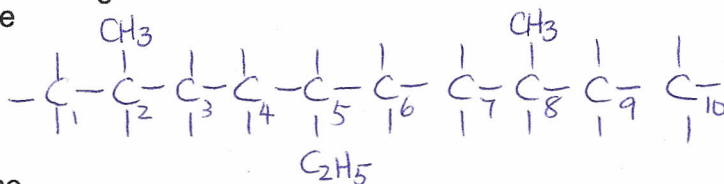


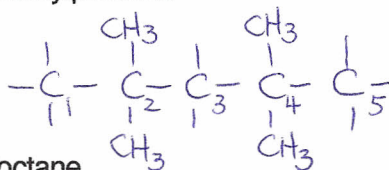
WS 10.5 Organic Compounds

1. Write the structural formula for the following:

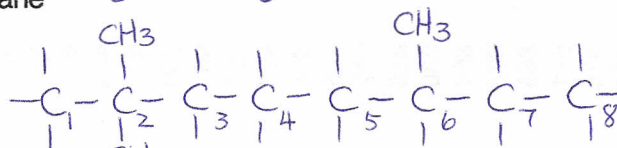
a) 5-ethyl-2,8-dimethyldecane



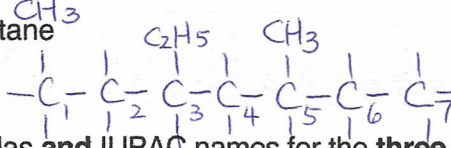
b) 2,2,4,4-tetramethylpentane



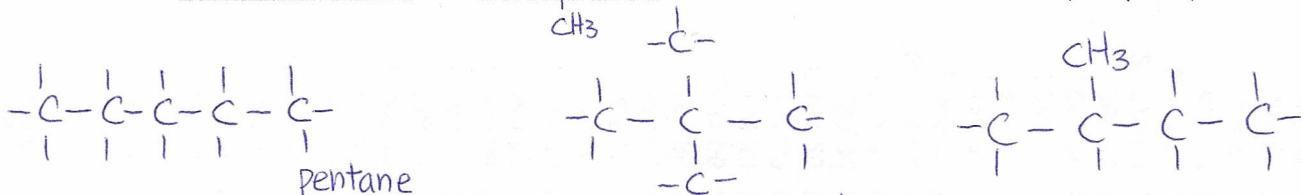
c) 2,2,6-trimethyloctane



d) 3-ethyl-3,5-dimethylheptane

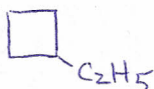


2. Write all of the structural formulas and IUPAC names for the **three** isomers of C_5H_{12} . (no repeats!)

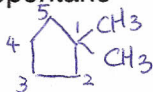


3. Draw the line formula for each of the following cycloalkanes:

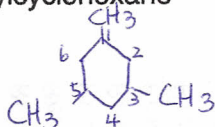
a) ethylcyclobutane



b) 1,1-dimethylcyclopentane

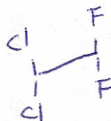


c) 1,3,5-trimethylcyclohexane

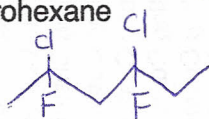


4. Write the line formula for each of the following haloalkanes:

a) 1,1-dichloro-2,2-difluoroethane



b) 2,4-dichloro-2,4-difluorohexane



c) 1,1,3,5-tetrachlorocyclohexane

