

1. Write structures for the following alkanes.

a. 3-ethylpentane
_____b. 2,2-dimethylbutane
_____c. 2-methyl-3-ethylheptane
_____d. 2,3-dimethylpentane
_____e. 2,2,4-trimethylpentane
_____f. 2,2-dimethylpropane
_____g. 2-methyl-3-ethyl-4-isopropylnonane
_____h. 2,3,4-trimethylheptane
_____i. 4-isopropyloctane
_____j. 2-methylpropane
_____k. 2,3-dimethylbutane
_____l. 2-methylpentane
_____2. Draw all of the structural isomers of the alkane C_6H_{14}