

3.3 Notes-Naming Cyclic and Functional Groups



3.3 Assignment KEY

1. Place the following substances in order of increasing boiling point.

Butane

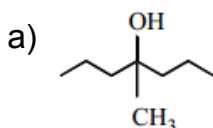
3-methylpentane

2-chloropentane

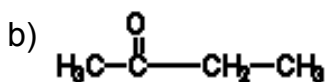
2-iodopentane

1-bromohexane

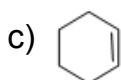
1. Write the correct IUPAC name for the compounds below



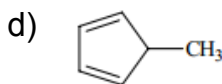
4-methyl-4-heptanol



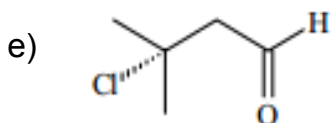
butanone



cyclohexene



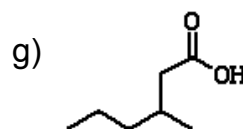
5-methylcyclopent-1,3-diene



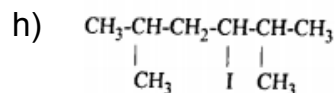
3-chloro-3-methylbutanal



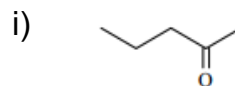
cyclobutane



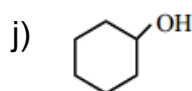
3-methylhexanoic acid



3-iodo-2,5-dimethylhexane



2-pentanone



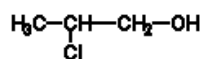
cyclohexanol

3.3 Notes-Naming Cyclic and Functional Groups

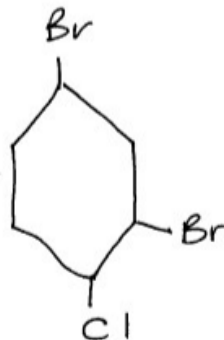
3.3 Assignment KEY Cont...

3. Draw the correct structure for the following names

a) 2-chloro-1-propanol



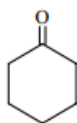
b) 1,3-dibromo-4-chlorocyclohexane



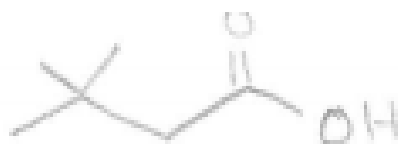
c) 1-chloro-2,2-dimethylpropane



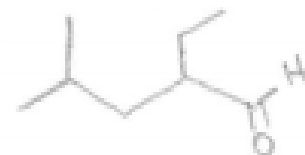
d) cyclohexanone



e) 3,3 dimethylbutanoic acid



f) 2-ethyl-4-methylpentanal



g) ethyl hexanoate

