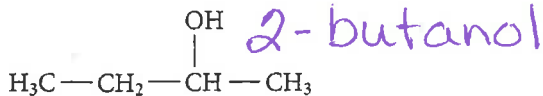


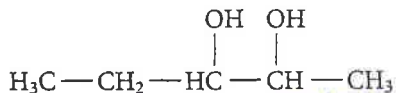
Practice Problems

For the next five questions, name each alcohol.

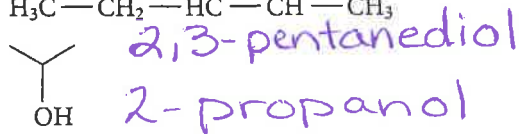
75.



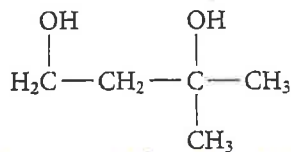
76.



77.



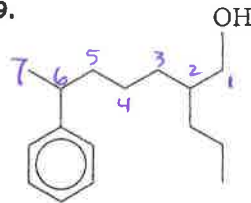
78.



3-methyl-1,3-butenediol

6-phenyl-2-propyl-1-heptanol

79.



For the next five questions, draw each alcohol.

80. ethanol



81. propan-1-ol



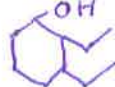
82. butane-1,3-diol



83. 3,4-dimethylhexan-2-ol



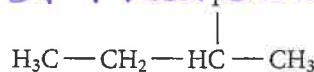
84. 2,3-diethylcyclohexanol



For the next five questions, name each haloalkane.

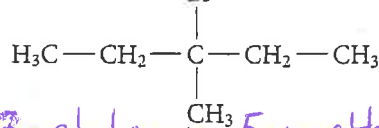
85.

2-fluorobutane



86.

3-bromo-3-methylpentane



For the next five questions, draw each haloalkane.

90. 1-iodopropane



91. 2-chloro-1-fluoroethane



92. 3-bromo-2,2-dimethylpentane



93. 2,4-dibromo-3-chlorohexane

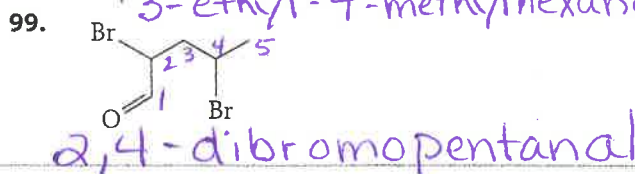
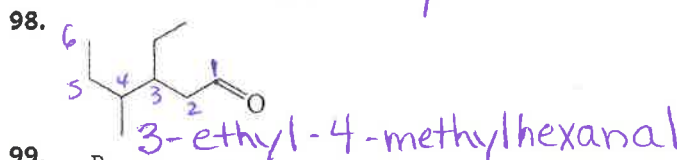
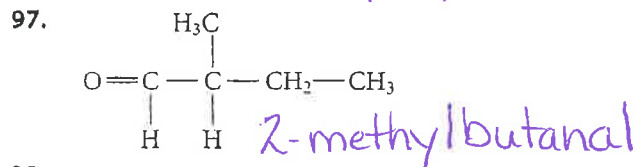
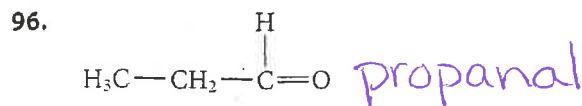


94. 1,4-difluoro-3-propylcycloheptane



95. Identify any errors in the following names by drawing a line structure. Give the correct name for


For the next four questions, name each aldehyde.



For the next five questions, draw each aldehyde.

100. 3-methylbutanal 

101. methanal (commonly known as formaldehyde) $\text{H}-\text{C}(=\text{O})-\text{H}$

102. 2-methylpropanal 

103. 2-chloroethanal $\text{Cl}-\text{CH}_2-\text{CHO}$

104. 4,4-diethylhexanal 

105. Explain why the following aldehydes are named incorrectly or cannot exist.

a. 2-ethanal (can't be on 2nd carbon)

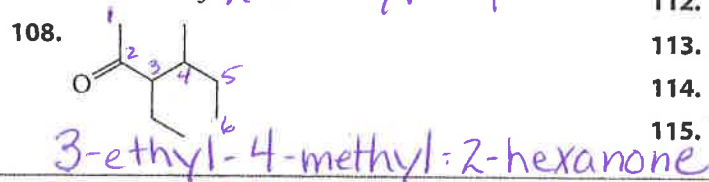
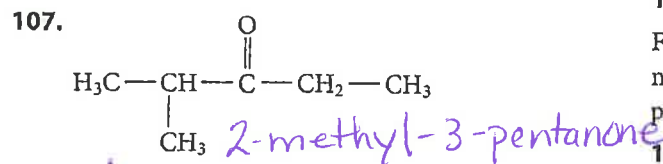
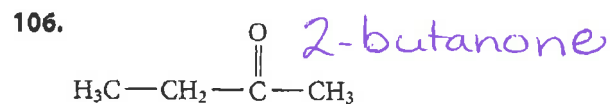
b. 5-ethylhexanal (5-methylheptanal)

c. cyclobutanal (cyclobutanone)

d. 1-fluoropentanal (no room for fluorine)


↑ okay


For the next three questions, name each ketone.



For the next three questions, draw each ketone.

109. propanone (commonly known acetone) $\text{CH}_3-\text{C}(=\text{O})-\text{CH}_3$

110. 3-ethylhexan-2-one 

111. 4,4-diethylhexane-2,3-dione 

For the next four questions explain why each ketone is named incorrectly or cannot exist. If it can exist, give the proper name.

112. propan-1-one (propanal)

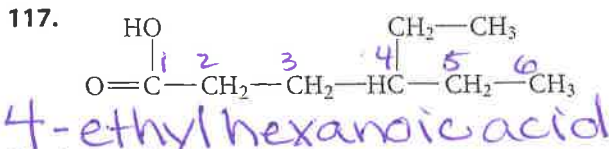
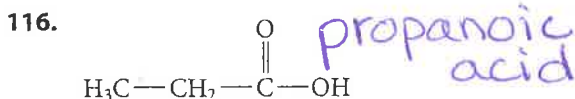
113. pentan-4-one (2-pentanone)

114. 2-propylhexan-3,4-dione (5-methyl-3,4-octadione)

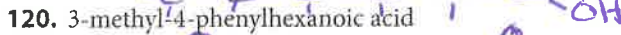
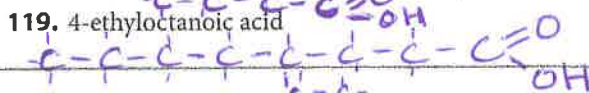
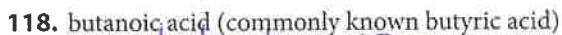
115. benzen-1-one (does not exist)

Practice Problems

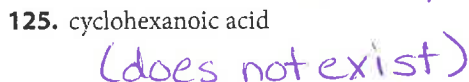
For the next two questions, name each carboxylic acid.



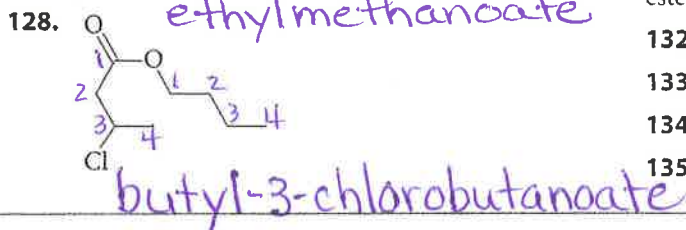
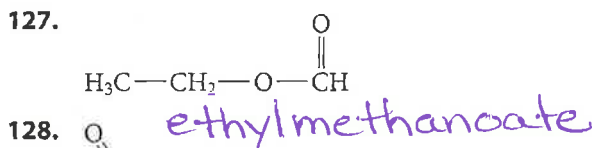
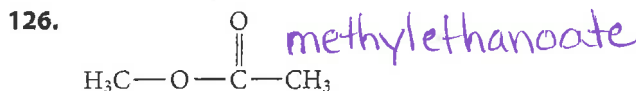
For the next four questions, draw each carboxylic acid.



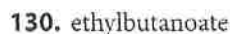
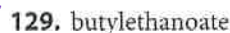
For the next four questions, explain why each carboxylic acid is named incorrectly or cannot exist. If it can exist, give the proper name.



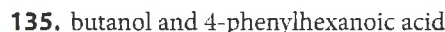
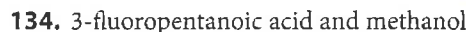
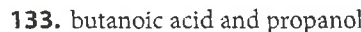
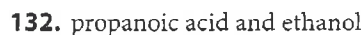
For the next three questions, name each ester.



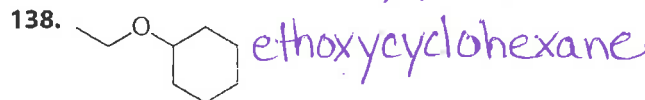
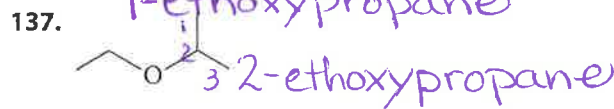
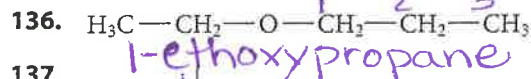
For the next three questions, draw the condensed structural formula each ester.



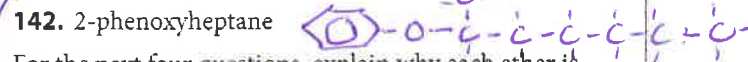
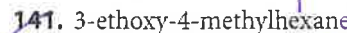
For the next four questions, draw the line structure of the ester formed from each reaction.



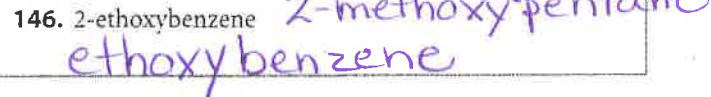
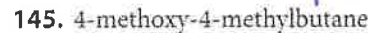
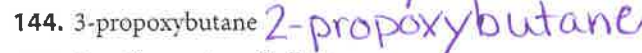
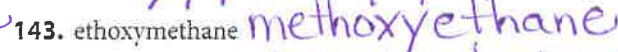
For the next three questions, name each ether.



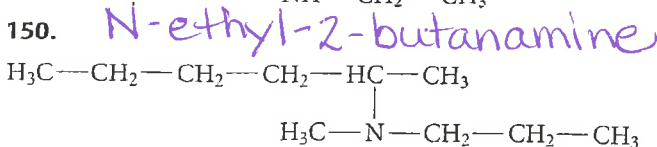
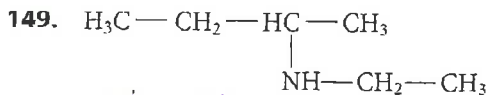
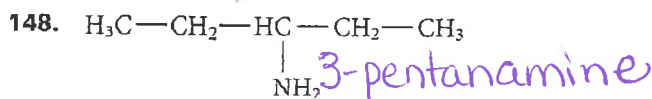
For the next four questions, draw the condensed structural formula for each ether.



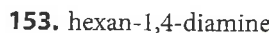
For the next four questions, explain why each ether is named incorrectly or cannot exist. If it can exist, give the correct name.



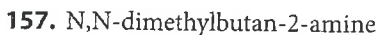
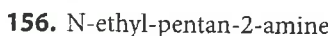
For the next four questions, name each amine.



For the next four questions, draw the condensed structural formula for each amine.

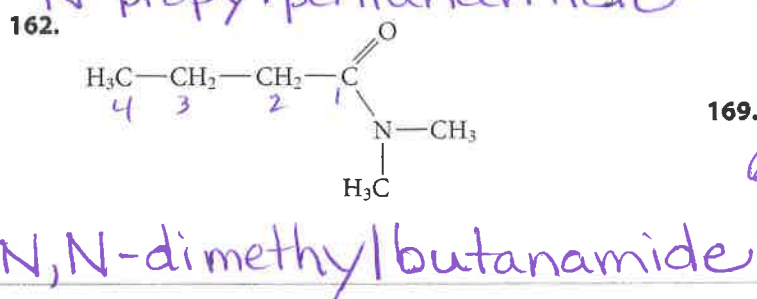
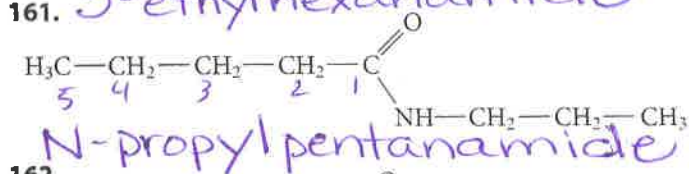
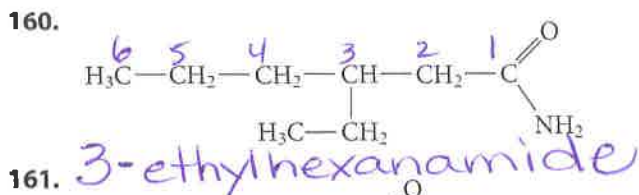


For the next four questions, draw line structures of each amine.

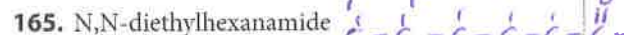


Practice Problems

For the next four questions, name each amide.



For the next four questions, draw the condensed structural formula for each amide.



For the next three questions, name each amide.

