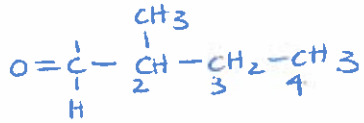
Aldehydes PP 96-105 pg 52

96. 

propanal

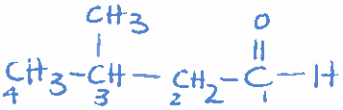
97. 

2-methylbutanal

98 3-ethyl-4-methylhexanal

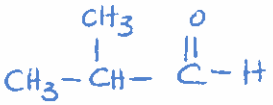
99 2,4-dibromopentanal

100. 3-methylbutanal

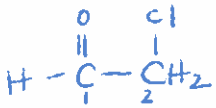


101. methanal

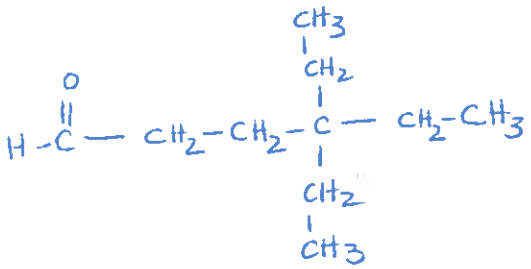
102. 2-methylpropanal



103 2-chloroethanal



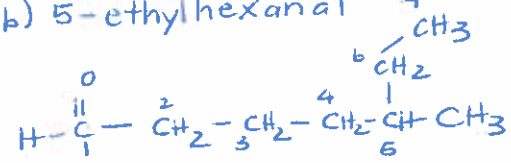
04. 4,4-diethylhexanal



05. a) 2-ethanal ethanal

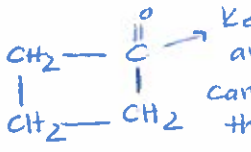
↳ #has to start at 1

b) 5-ethylhexanal



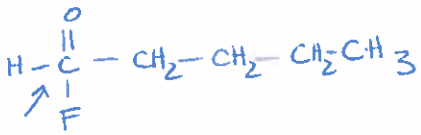
5-methylheptanal

c) cyclobutanal



Ketone not an aldehyde can't have a H then C would have 5 bonds

d) 1-fluoropentanal



5 bonds

Ketones PP 106-115 pg 56

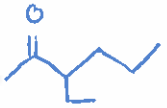
106. butan-2-one

107. 2-methylpentan-3-one

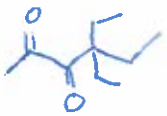
108. 3-ethyl-4-methylhexan-2-one

109. propanone

110. 3-ethylhexon-2-one



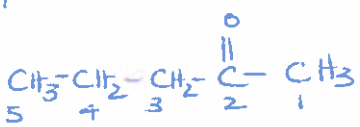
111. 4,4-diethylhexane-2,3-dione



112. propan-1-one propanal

↳aldehyde

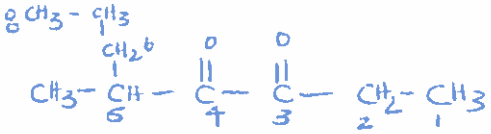
113 pentan-4-one



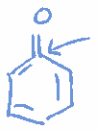
pentan-2-one

give the carbonyl the lowest #

114 2-propylhexan-3,4-dione



5-methyloctane-3,4-dione

115.  too many bonds

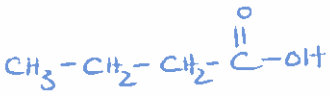
benzen-1-one

Carboxylic Acids PP 116-125

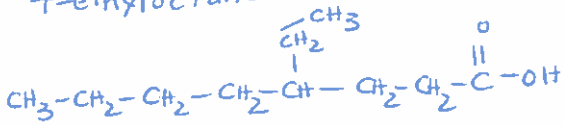
116. propanoic acid

117. 4-ethylhexanoic acid

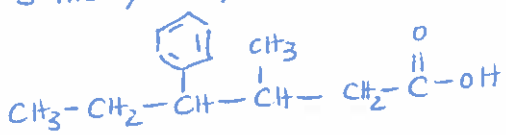
118 butanoic acid



119. 4-ethyloctanoic acid

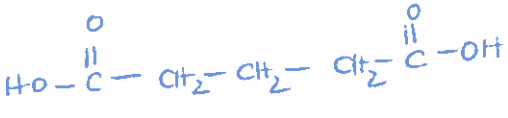


120. 3-methyl-4-phenylhexanoic acid



121 pentandioic acid

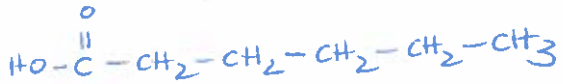
↑ 2 $\overset{O}{\overset{\|}{C}}-OH$



122. hexan-6-oic acid

↑ hexanoic acid

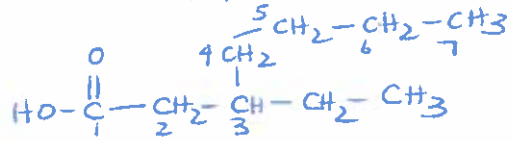
∴ #1 position (lowest #)



123. butan-2-oic acid

↑ has to be on the end

124. 3-butylpentanoic acid



3-ethylheptanoic acid

125. cyclohexanoic acid

↑ has to be on an end and would be too many bonds on C

 5 bonds

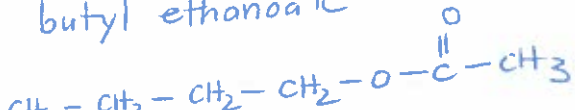
Esters PP 126-135 pg 65

126. methyl ethanoate

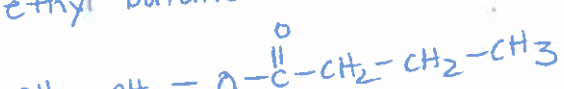
127 ethyl methanoate

128 butyl 3-chlorobutanoate

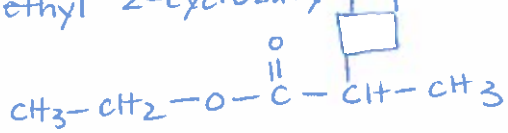
129. butyl ethanoate



130 ethyl butanoate



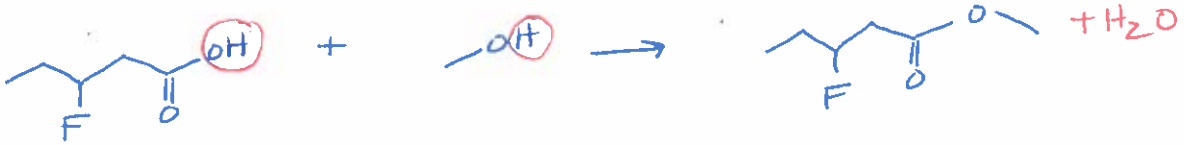
131. ethyl 2-cyclobutylpropanoate



132. propanoic acid + ethanol

133. butanoic acid + propanol

134. 3-fluoropentanoic acid + methanol



135. butanol + 4-phenylhexanoic acid