Organic Chemistry Practice KEY

1. What is the correct name for the compounds below?

 3,4,6-trimethyl octane

 3-heptene

 4-ethyl-3,5-dimethyl octane

 3-methyl-2-pentanol

 2-methyl-3-hexyne

1. Molecular formula C2H4Cl2

Draw and name the possible structures of this compound.



1. Draw a condensed structural formula for

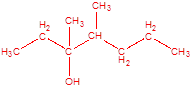
Cis-2-pentene



3, 4-dimethyl-4-ethyl octane



3, 4-dimethyl-3-heptanol



1. Identify the functional groups in each of the following organic compounds
   1.  Alcohol
   2.  ester
   3.  Alkene
   4.  aldehyde
   5.  ether
   6.  Carboxylic acid
   7.  Alkyne
   8.  ketone