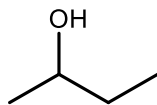


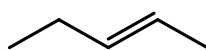
Functional Group Worksheet

1. Identify the class of compound represented in the following molecules. If the compound represents an alcohol or amine, classify it as primary, secondary or tertiary:

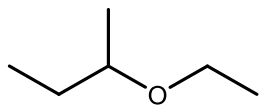
a.



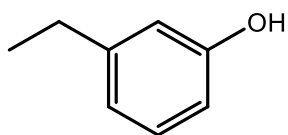
b.



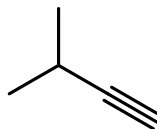
c.



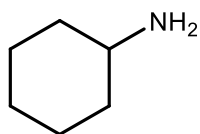
d.



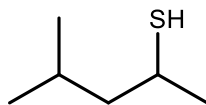
e.



f.



g.



2. Draw the structure of the following molecules:

a. 4-methyl-3-octanol

b. 3-hexanethiol

c. 3-ethylphenol

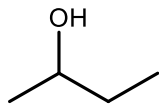
d. 4-methylcyclohexanol

e. ethylpropylamine

ANSWER KEY

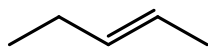
1. Identify the class of compound represented in the following molecules. If the compound represents an alcohol or amine, classify it as primary, secondary or tertiary:

a.



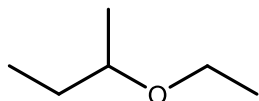
secondary alcohol

b.



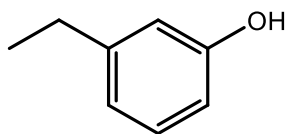
alkene

c.



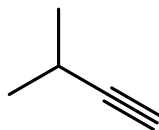
ether

d.



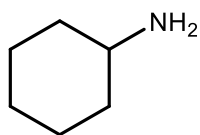
phenol

e.



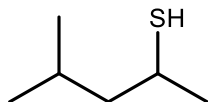
alkyne

f.



primary amine

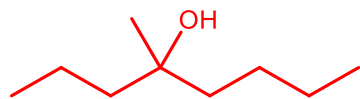
g.



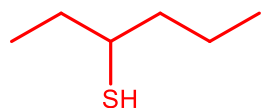
thiol

2. Draw the structure of the following molecules:

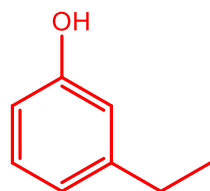
a. 4-methyl-3-octanol



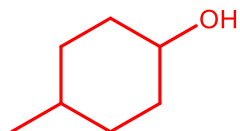
b. 3-hexanethiol



c. 3-ethylphenol



d. 4-methylcyclohexanol



e. ethylpropylamine

