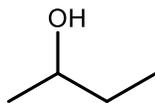


## Functional Group Worksheet

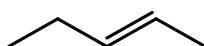
1. Identify the class of compound represented in the following molecules. If the compound represents an alcohol or amine, classify it as primary, secondary or tertiary:

a.



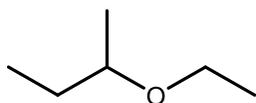
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b.



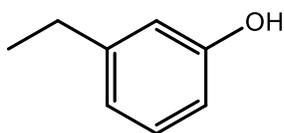
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c.



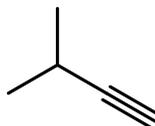
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d.



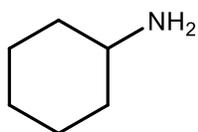
---

e.



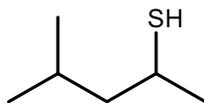
---

f.



---

g.



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2. Draw the structure of the following molecules:

a. 4-methyl-3-octanol

b. 3-hexanethiol

c. 3-ethylphenol

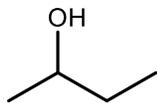
d. 4-methylcyclohexanol

e. ethylpropylamine

**ANSWER KEY**

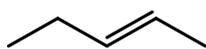
1. Identify the class of compound represented in the following molecules. If the compound represents an alcohol or amine, classify it as primary, secondary or tertiary:

a.



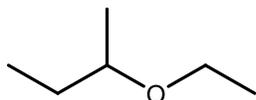
**secondary alcohol**

b.



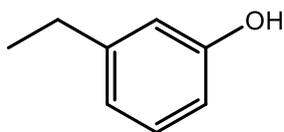
**alkene**

c.



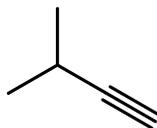
**ether**

d.



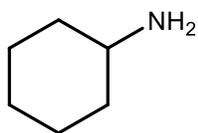
**phenol**

e.



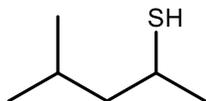
**alkyne**

f.



**primary amine**

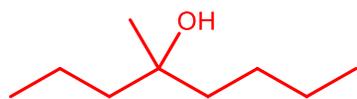
g.



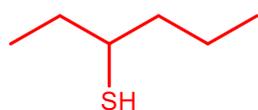
**thiol**

2. Draw the structure of the following molecules:

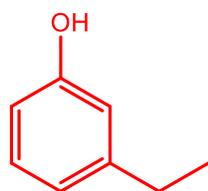
a. 4-methyl-3-octanol



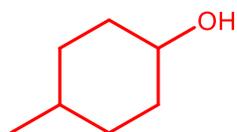
b. 3-hexanethiol



c. 3-ethylphenol



d. 4-methylcyclohexanol



e. ethylpropylamine

