

Name

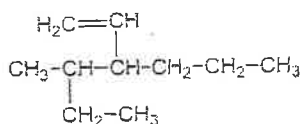
KEY

Chem 21A

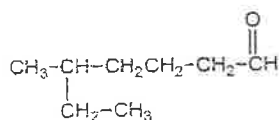
Organic functional groups quiz

1) Identify the functional class each molecule belongs to and draw the functional group.

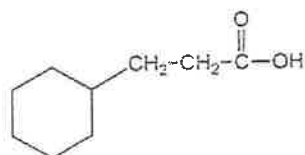
a)



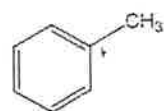
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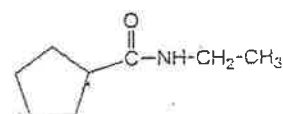
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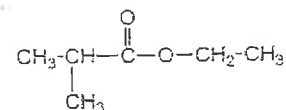
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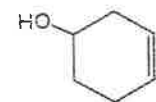
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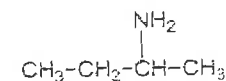
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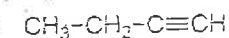
g)



h)



i)

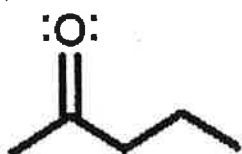


Functional Class (name)	Functional Group (drawing)
alkene	$\text{H}_2\text{C}=\text{C}-\text{H}$
Aldehyde	$-\text{C}(=\text{O})-\text{H}$
carboxylic acid	$-\text{C}(=\text{O})-\text{OH}$
aromatic	
amide	$-\text{C}(=\text{O})-\text{NH}-$
Ester	$-\text{C}(=\text{O})-\text{O}-$
alcohol	$-\text{OH}$
amine	$-\text{NH}_2$
alkyne	$-\text{C}\equiv\text{CH}$

Organic Functional Groups

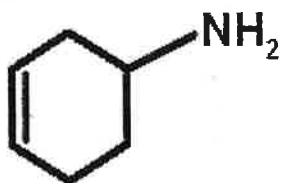
Identify the functional groups in each of the following organic compounds:

1)



ketone

2)



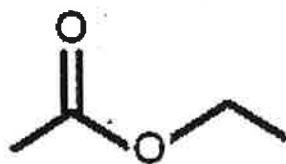
amine

3)



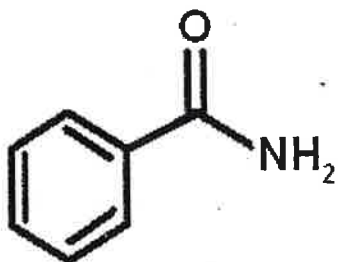
ether

4)



ester

5)



amide