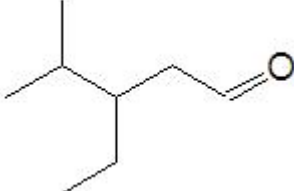

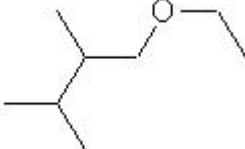
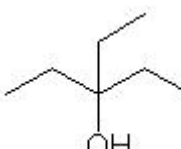
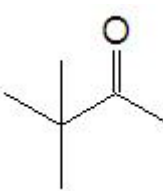
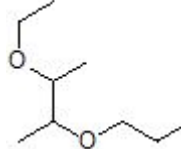

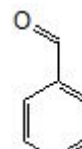
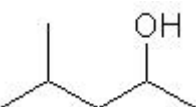
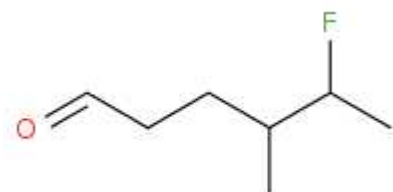


Name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

[20 pt] 1. Give the IUPAC name of the following molecules

(a) 	(b) 
(c) 	(d) 
(e) 	(f) 
(g) 	(h) 
(i) 	(j) 

[20 pt] 2. Draw the following organic molecules:

(a) 2-ethoxy-2-methyloctane

(f) 1-butoxy-4-hydroxynonanal

(b) 3,4-dimethyl-1-pentanol

(g) 4-hydroxy-2-heptanone

(c) 2,4-dimethylhexanal

(h) 5-methyl-2-heptanone

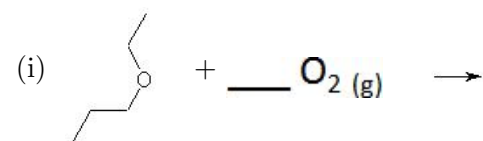
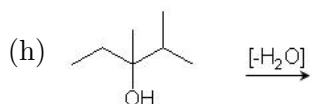
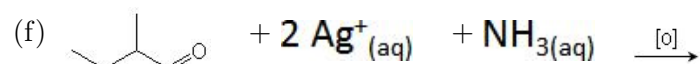
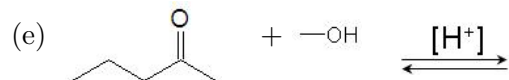
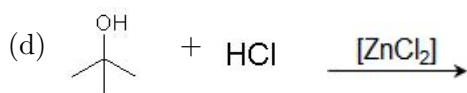
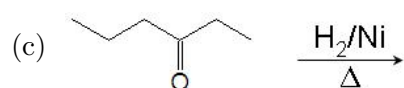
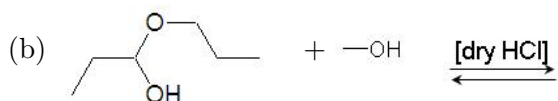
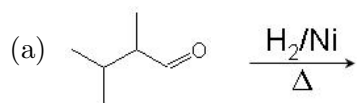
(d) 2,2-dimethyl-3-pentanone

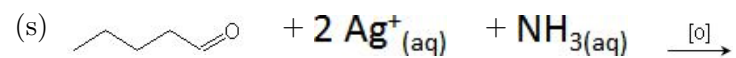
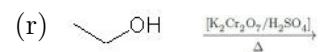
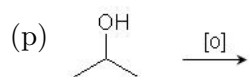
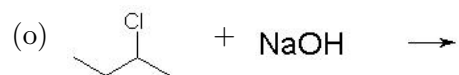
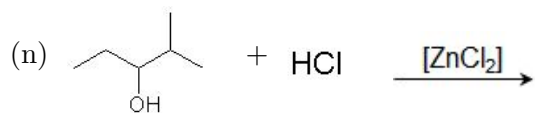
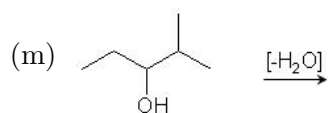
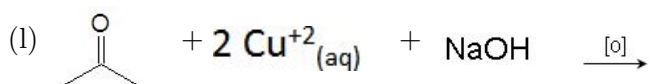
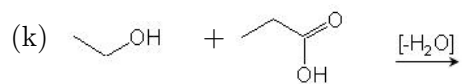
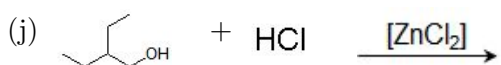
(i) 1,2-butanediol

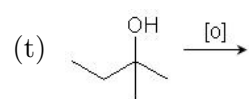
(e) phenol

(j) 2-chlorobutanal

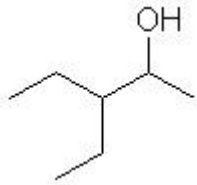
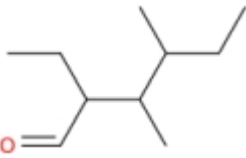

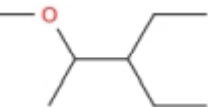
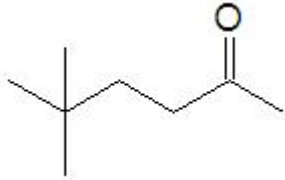
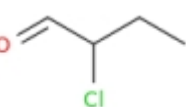
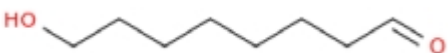
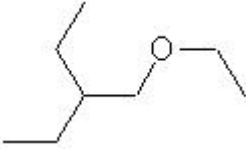
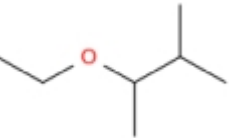
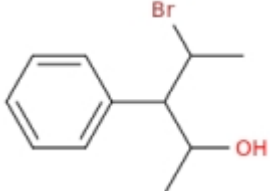
[40 pt] 3. Complete the following reactions in the format given. If one product is favoured in a reaction, circle that product. Include states where appropriate. Be sure to balance any combustion reactions. If no reaction occurs put NR for the products.







[20 pt] 4. Give the IUPAC name of the following molecules

<p>(a) </p>	<p>(b) </p>
<p>(c) </p>	<p>(d) </p>
<p>(e) </p>	<p>(f) </p>
<p>(g) </p>	<p>(h) </p>
<p>(i) </p>	<p>(j) </p>

[20 pt] 5. Draw the following organic molecules:

(a) 2,2-dimethylhexanal

(f) 3,3-dimethoxypentane

(b) 2-ethoxypentane

(g) 2-ethoxy-3-ethylhexane

(c) benzaldehyde

(h) 1-chloro-2-pentanone

(d) 3,4-dihydroxypentanal

(i) 4-ethylhexanal

(e) 2,2,4-trimethyl-3-pentanone

(j) phenol

[45 pt] Complete the following reactions in the format given. If one product is favoured in a reaction, circle that product. Include states where appropriate. Be sure to balance any combustion reactions. If no reaction occurs put NR for the products.

