

review ch 23.doc

Chemistry 122 ANSWERS

1. MATCH

A. 1-butyne B. 2-butanol C. butanoic acid D. butylbenzene E. 2-butanone F. 1-butanol
 G. 2-butene H. butanal I. ethylbutanoate J. 1,3-butadiene K. butane L. 2-phenylbutane

K $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$

E $\text{CH}_3 - \text{CH}_2 - \overset{\text{O}}{\parallel} \text{C} - \text{CH}_3$

L $\text{CH}_3 - \text{CH}_2 - \underset{\text{C}_6\text{H}_5}{\text{CH}} - \text{CH}_3$

C $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \overset{\text{O}}{\parallel} \text{C} - \text{OH}$

I $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \overset{\text{O}}{\parallel} \text{C} - \text{O} - \text{CH}_2 - \text{CH}_3$

F $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{OH}$

G $\text{CH}_3 - \text{CH} = \text{CH} - \text{CH}_3$

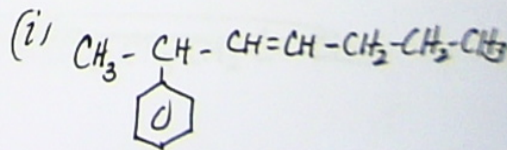
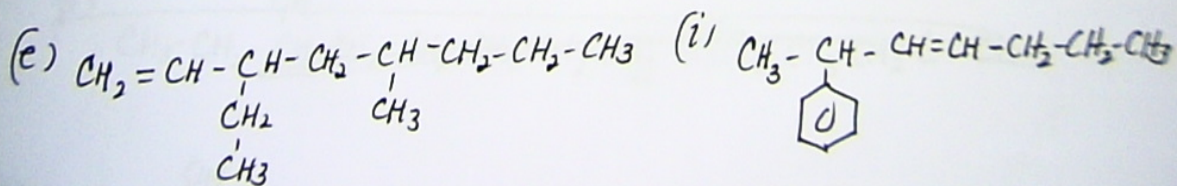
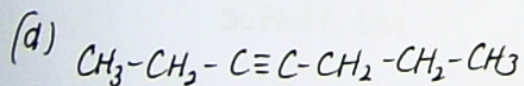
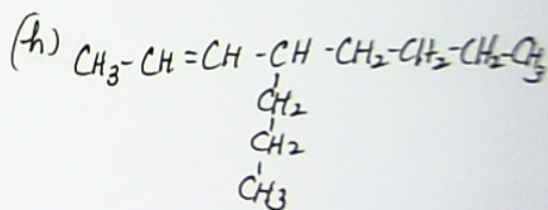
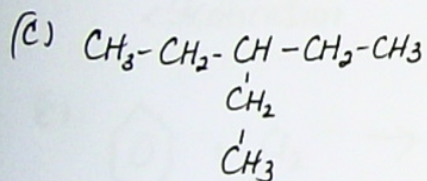
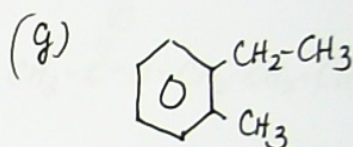
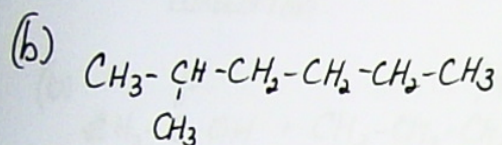
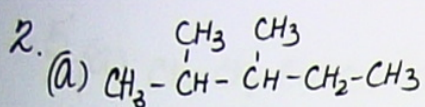
B $\text{CH}_3 - \text{CH}_2 - \underset{\text{OH}}{\text{CH}} - \text{CH}_3$

A $\text{CH}_3 - \text{CH}_2 - \text{C} \equiv \text{CH}$

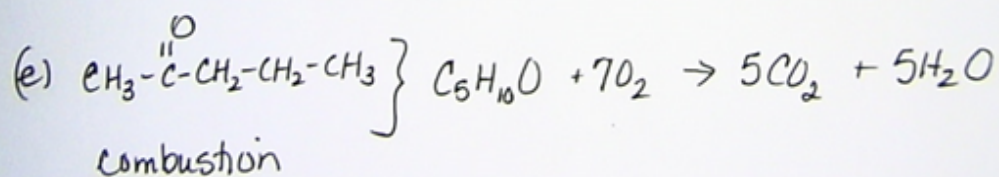
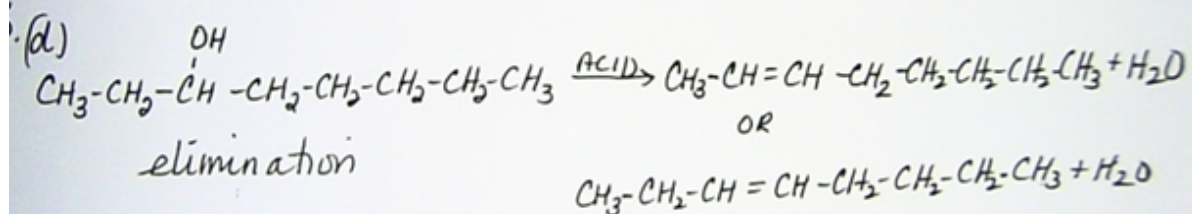
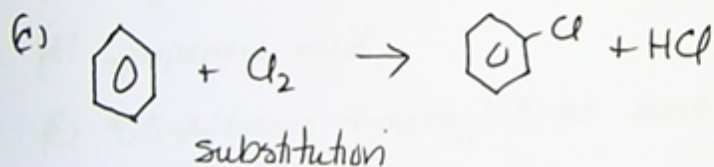
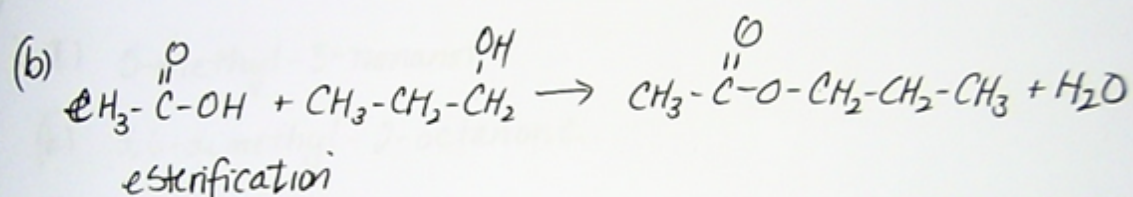
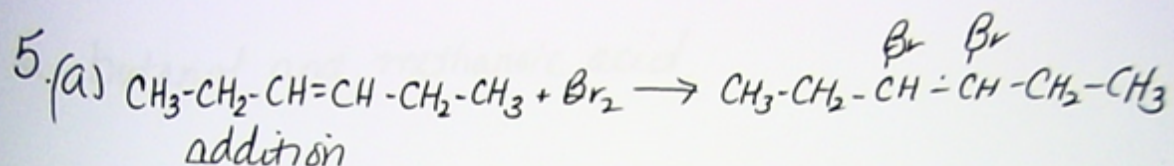
H $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \overset{\text{O}}{\parallel} \text{CH}$

J $\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2$

D $\text{C}_6\text{H}_5 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$



3. (a) 2,3-dimethylhexane (f) butanoic acid
(b) 3-ethylhexane (g) 2-butanol
(c) 4-methyl-1-pentene (h) 2-chloro-1-ethanol
(d) 3,3-dimethyl-1-butene
(e) 3,4-dimethyloctane



6. butanol and methanoic acid

7.

a) 5-methyl-3-nonanol

b) 5,6-dimethyl-2-octanone

c) butyl propanoate

d) propanoic acid

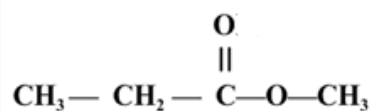
e) 4,5-dibromo-4-methyl-3-~~heptanone~~ ^{hexanone}

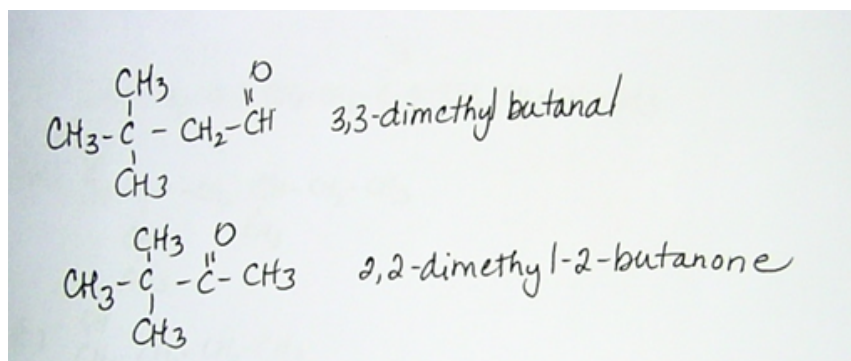
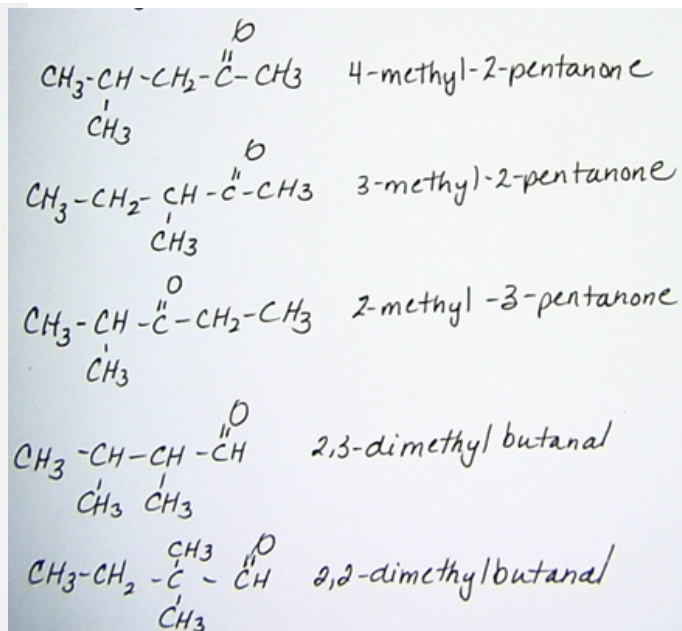
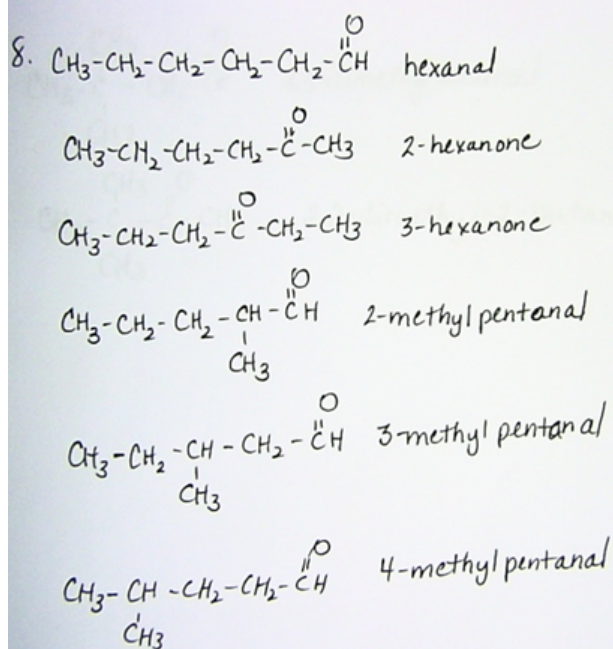
7 h)

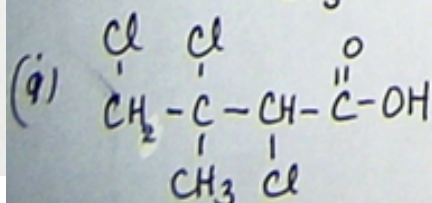
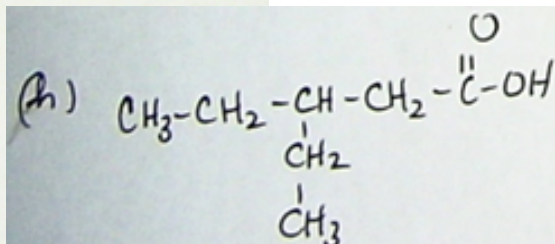
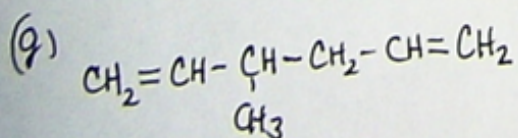
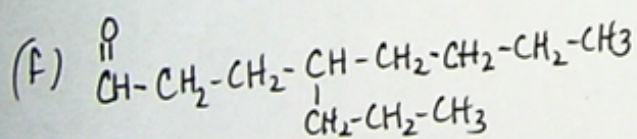
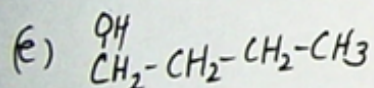
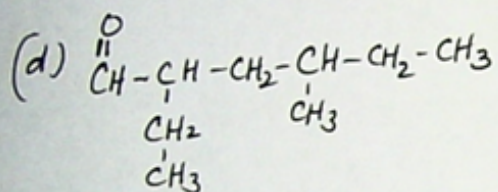
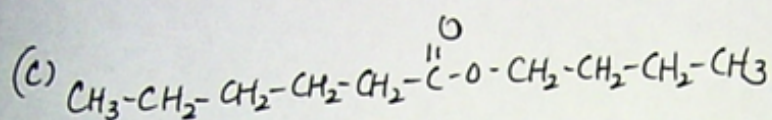
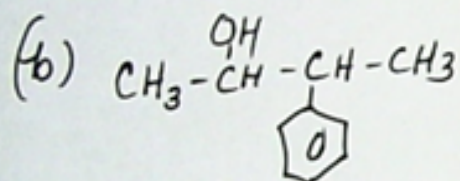
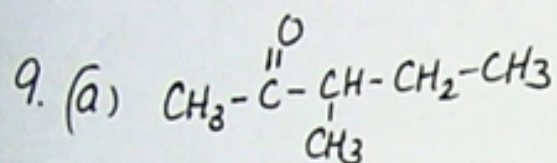
f) 2,4-dimethyl-pentanal

g) 4-propyl-4-octanol

h) methyl propanoate







Attachments

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