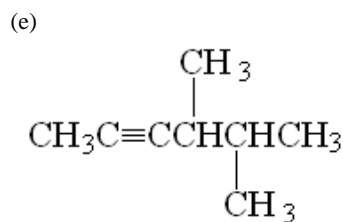
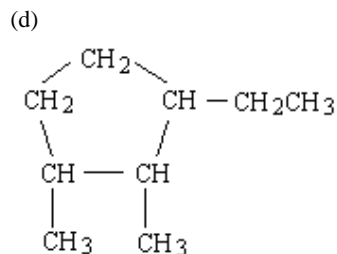
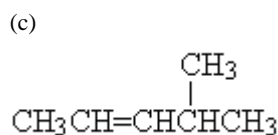
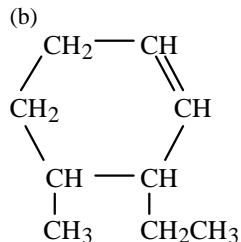
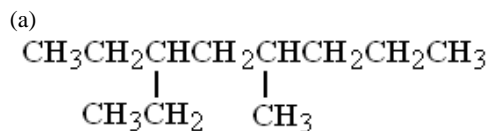


Name: _____

Period: ____

Review: Organic Chemistry

(1) Name the following hydrocarbons.



(2) Draw the following hydrocarbons.

(a) 2,4-Dimethylheptane

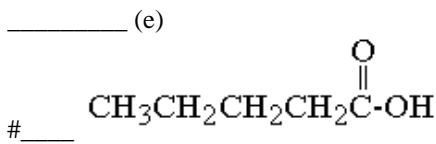
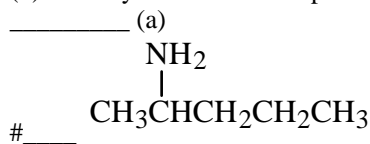
(d) 3-Ethylcyclopentene

(b) 4-ethyl-2-nonyne

(e) 3-ethyl-4-methyl-1-octene

(c) 1,3-dimethylcyclohexane

(3) Classify each of the compounds and match them with the correct name.



(1) 4-ethyl-2-hexanol

(2) pentanoic acid

(3) ethyl pentanoate

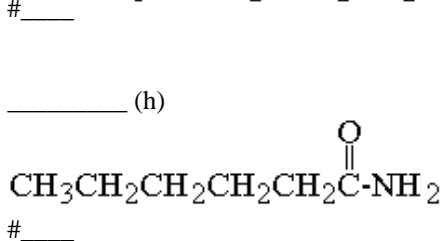
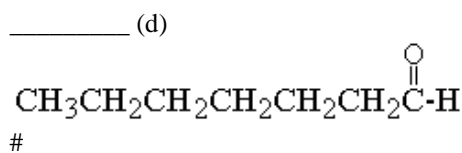
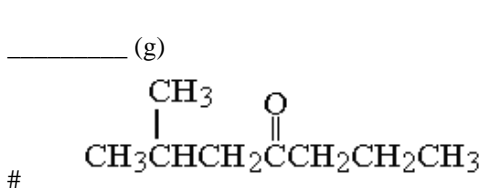
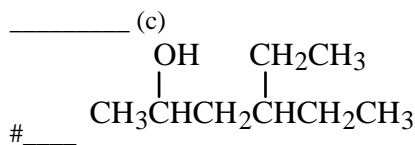
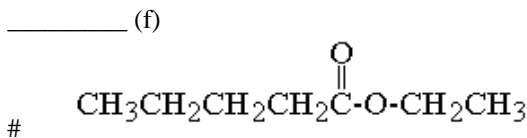
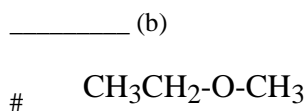
(4) 2-aminopentane

(5) 2-methyl-4-heptanone

(6) hexanamide

(7) heptanal

(8) ethyl methyl ether

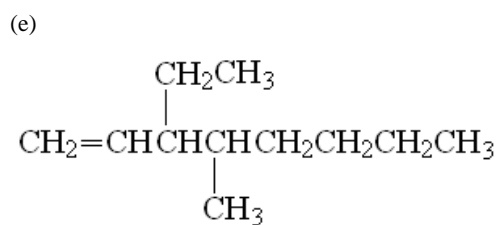
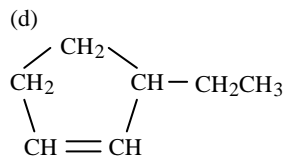
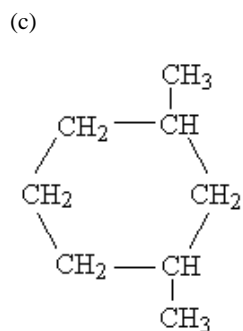
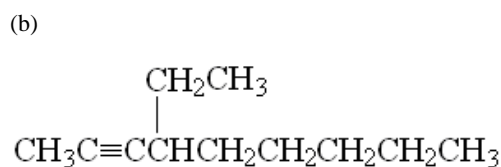
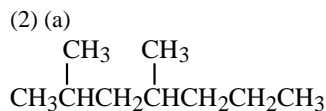


(4) Complete the following condensation reaction.



Answers:

- (1) (a) 3-ethyl-5-methyloctane
 (b) 3-ethyl-4-methylcyclohexene
 (c) 4-methyl-2-pentene
 (d) 1-ethyl-2,3-dimethylcyclopentane
 (e) 4,5-dimethyl-2-hexyne



- (3) (a) amine, #4
 (b) ether, #8
 (c) alcohol, #1
 (d) aldehyde, #7
 (e) carboxylic acid, #2
 (f) ester, #3
 (g) ketone, #5
 (h) amide, #6

