CHM 233 : Fall 2016

Quiz #13

Question 1

MC21g

How are the following two structures related, they are....

A     The Same
B     Enantiomers
C     Diastereomers
D     The Same and Meso Compounds

Question 2

MC21f

How are the following two structures related, they are....

A     Same
B     Enantiomers
C     Diastereomers
D     Meso Compounds

Question 3

MC21e

How are the following two structures related, they are....

A  1 = R and 2 = R and 3 = S and 4 = S
B  1 = S and 2 = R and 3 = R and 4 = S
C  1 = S and 2 = R and 3 = S and 4 = R
D  1 = R and 2 = S and 3 = R and 4 = S
**Question 4**  
MC21d

Which describes the correct configuration at chiral centers 1 and 2 in the following structure?

A 1 = R and 2 = R  
B 1 = S and 2 = S  
C 1 = R and 2 = S  
D 1 = S and 2 = R

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**Question 5**  
MC21c

Which describes the correct configuration at chiral centers 1 and 2 in the following structure?

A 1 = R and 2 = R  
B 1 = S and 2 = S  
C 1 = R and 2 = S  
D 1 = S and 2 = R
Question 6
MCmxnd
For the reaction energy diagram corresponding to the following mechanism, how many energy minima will there be? (do not include the minima associated with the reactants or the products)
A five minima  B six minima  C seven minima  D eight minima

Question 7
MCalkenesIf
Which is the expected major organic product of the following reaction

A  B  C  D
Question 8

Which statement best describes these two reactions and these two reaction energy diagrams?

A Water acts as the Lewis base in each reaction, and Reaction A corresponds to energy diagram Y

B Water acts as the Lewis acid in each reaction, and Reaction A corresponds to energy diagram Y

C Water acts as the Lewis base in each reaction, and Reaction A corresponds to energy diagram X

D Water acts as the Lewis acid in each reaction, and Reaction A corresponds to energy diagram X

A Water acts as the Lewis base in each reaction, and Reaction A corresponds to energy diagram Y

B Water acts as the Lewis acid in each reaction, and Reaction A corresponds to energy diagram Y

C Water acts as the Lewis base in each reaction, and Reaction A corresponds to energy diagram X

D Water acts as the Lewis acid in each reaction, and Reaction A corresponds to energy diagram X
QUESTION 9
There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

What overall final grade do you expect to earn in this class?
A
B
C
D

QUESTION 10
There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

How hard did you work on organic chemistry this week (not including watching/attending lectures)
A  Very Hard
B  Hard
C  Somewhat Hard
D  Not very Hard this week