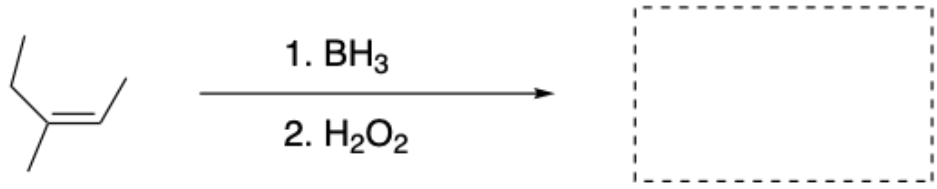
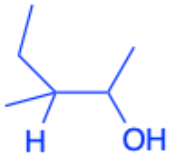
CEM 251 (730)

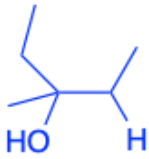
QUIZ 3 — 25pts.

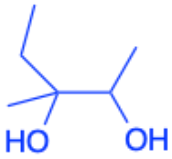
1. Show Correct Answer Show Responses

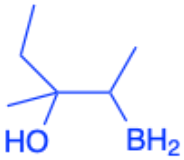
What is the product of the reaction below?



A. 

B. 

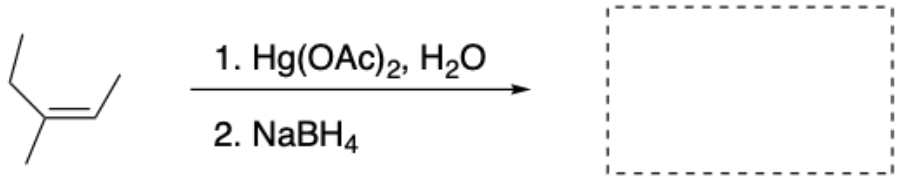
C. 

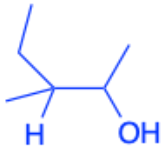
D. 

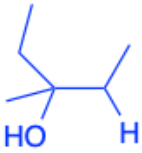
A	A
B	B
C	C
D	D

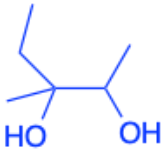
2. Show Correct Answer Show Responses

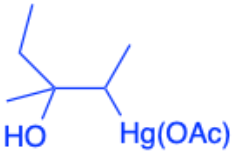
What is the product for the reaction below?



A. 

B. 

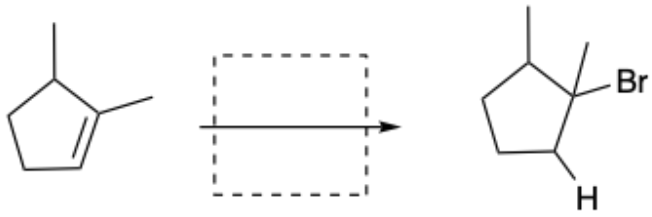
C. 

D. 

A	A
B	B
C	C
D	D

3. Show Correct Answer Show Responses

What is the reagent for the transformation below?



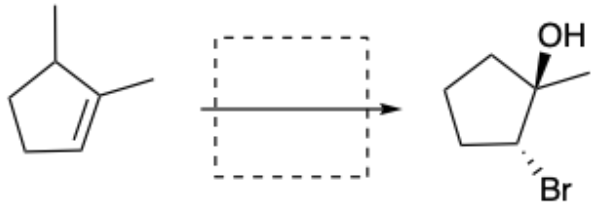
A. Br_2 B. HOBr C. NaBr D. HBr

A	A
B	B
C	C

D	D

4. Show Correct Answer Show Responses

What is the reagent for the transformation below?

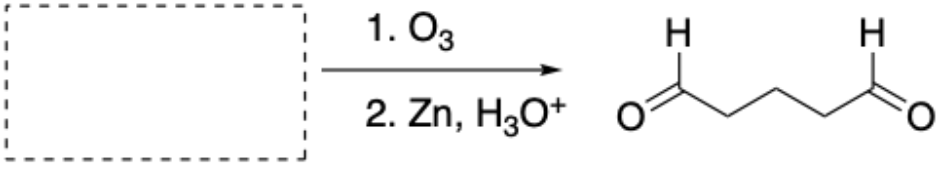


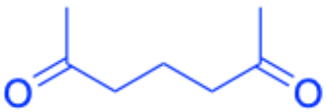
A. Br_2 B. HOBr C. NaBr D. HBr

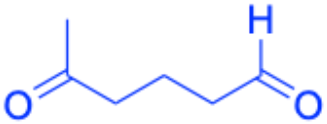
A	A
B	B
C	C
D	D

5. Show Correct Answer Show Responses

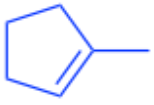
What is the starting material for the reaction below?



A. 

B. 

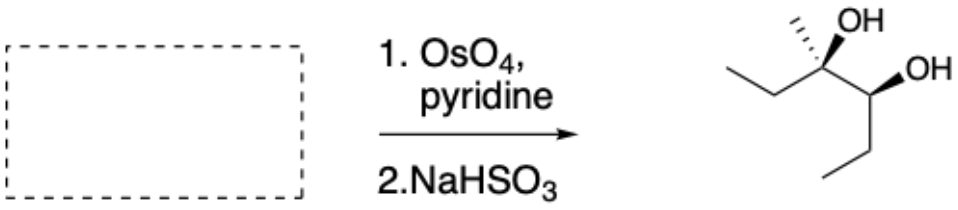
C. 

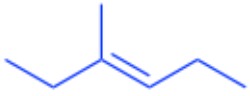
D. 

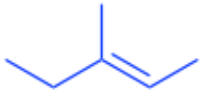
A	A
B	B
C	C
D	D

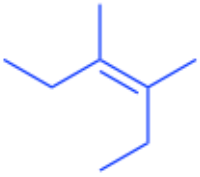
6. Show Correct Answer Show Responses

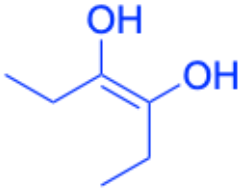
What is the starting material for the reaction below?



A. 

B. 

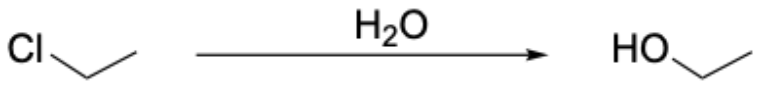
C. 

D. 

A	A
B	B
C	C
D	D

7. Show Correct Answer Show Responses

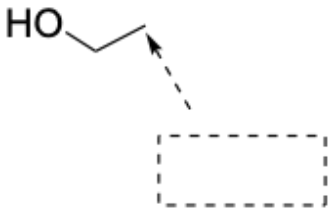
How would you classify the reaction below with regards to the transformation of chloroethane to ethanol?



A	Oxidation
B	Reduction
C	Neutral
D	Disproportion

8. Show Correct Answer Show Responses

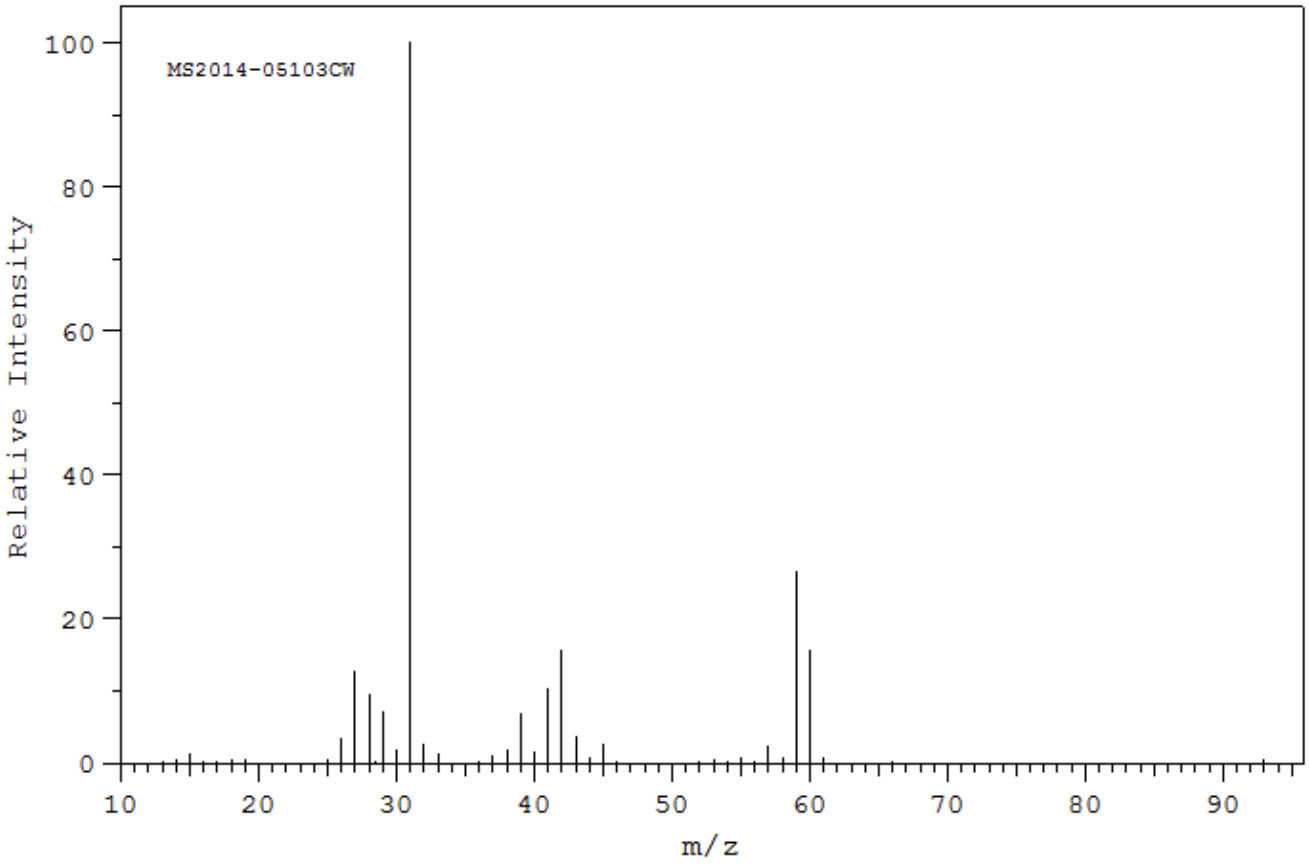
What is the multiplicity of the 1H-NMR peak of the group indicated?



A	singlet
B	doublet
C	triplet
D	quartet

9. Show Correct Answer Show Responses

Which of the structures best matches the mass spectroscopy spectrum below?



A	butanol
B	propanol
C	ethanol
D	methanol

10. Show Correct Answer Show Responses

What is IR-spectroscopy diagnostic for?

A	atom connectivity
B	mass of molecule

C	functional group
D	double bond conjugationa

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