

Trouble with this problem?

Question 3 of 4

sapling learning

this question was written by
Dr. Link at University of California, Irvine

Map

Identify which of the below compounds **will not** undergo substitution via an S_N2 mechanism.

A
 B
 C
 D
 E
 F

Br A

CCCCBr B

CC(C)(C)C(Br)C C

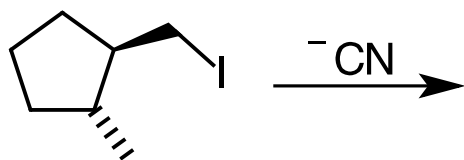
CC(C)C(C)CBr D

CCCC=CCBr E

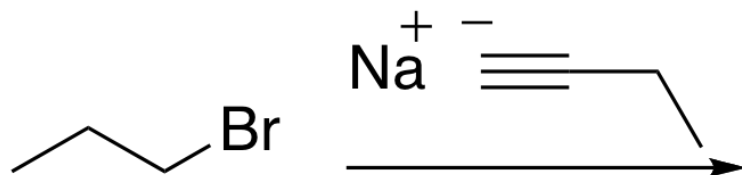
CC(C)C(Br)C F

Previous Next Save And Exit

Would this reaction proceed as written?



Draw the mechanism. Include the transition state.



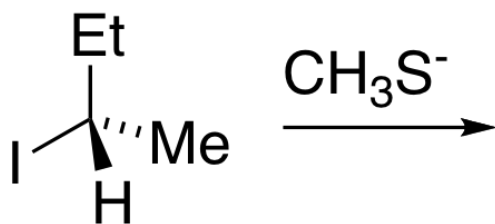
Write out each step of the mechanism as a sentence.

Stereochemistry!

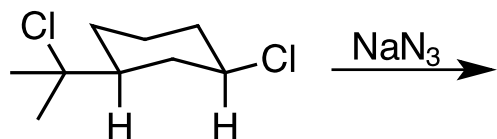
Draw product(s) and mechanism.

What type of reaction?

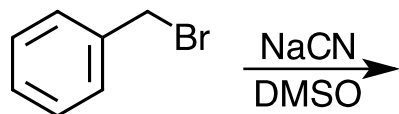
What solvents could you use?



Draw the product(s) of the substitution reaction.



Don't forget kinetics!



- If the $\text{S}_{\text{N}}2$ reaction of a mixture of sodium cyanide and benzyl bromide were run in twice the volume of solvent, then the rate of reaction would be
 - A. four times as fast
 - B. two times as fast
 - C. the same
 - D. half as fast
 - E. one quarter as fast

From the reading quizzes...

Question 2 of 2

sapling learning *this question has been customized by*
Dr. Link at University of California, Irvine

Map

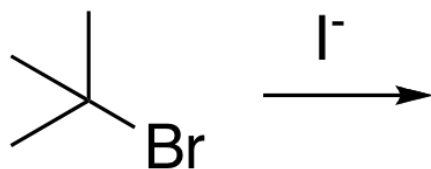
Identify which of the below compounds will not undergo substitution via an S_N1 mechanism.

A
 B
 C
 D
 E
 F

Br A CCCCBr B CC(C)(C)CBr C
CC(C)C(C)CBr D CC=CCBr E CC(C)CBr F

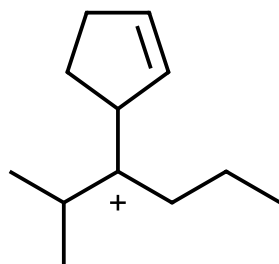
Previous Give Up & View Solution Check Answer Next Exit

Draw the mechanism and product(s). Draw the transition state(s).

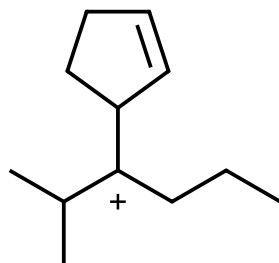
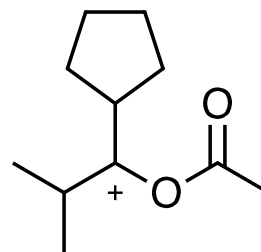


Write out each step of the mechanism as a sentence.

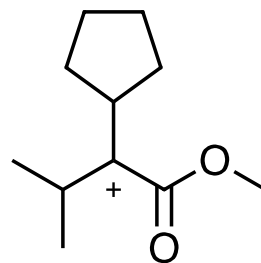
Choose the most stable carbocation in each pair.



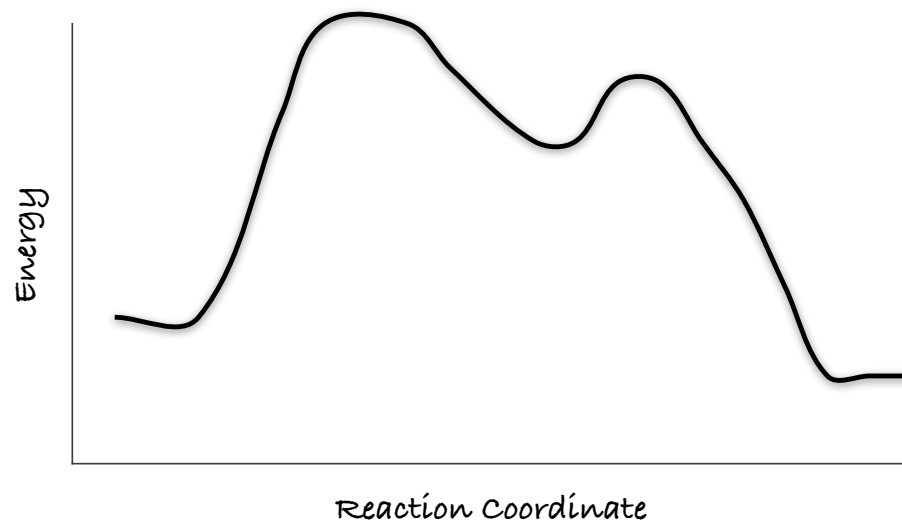
OR



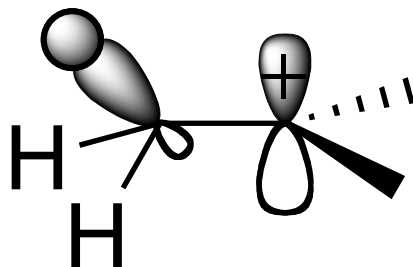
OR



Hammond Postulate questions?



Hyperconjugation questions?



Stereochemistry!

