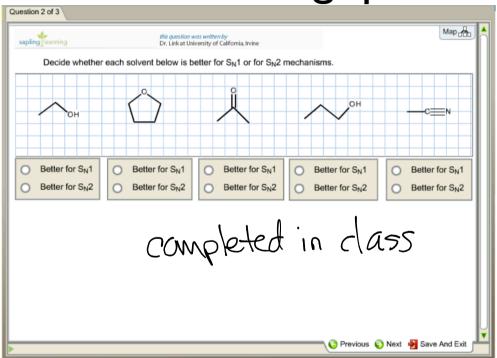
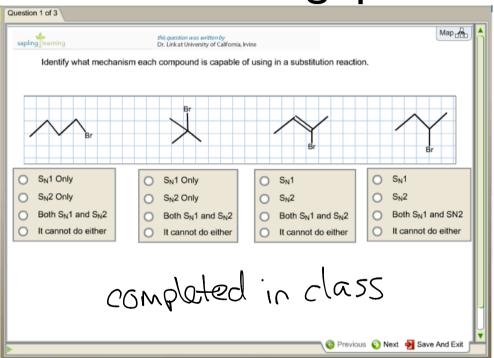
From the reading quizzes...

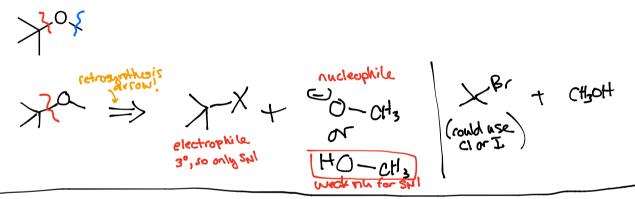


From the reading quizzes...



How can we make this?

Two ways to consider



This synthesis will not work because to-butoxide is non-nucleophilic! To make the desired product, the sul synthesis doore would be required.

What is possible? Why?

$$\rightarrow$$
 Br \rightarrow only $5\pi^2$

$$\searrow_{\text{Br}} \xrightarrow{\Gamma} \text{MWSul}$$

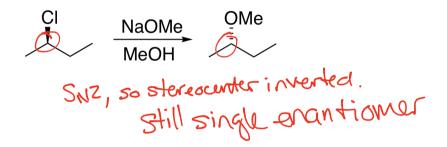
From the podcasts...

weak Na. MeO racemic mixture!

Factors · 10, allylic

- · weak Nu · polar protic solvent

Another from the podcasts...



Factors

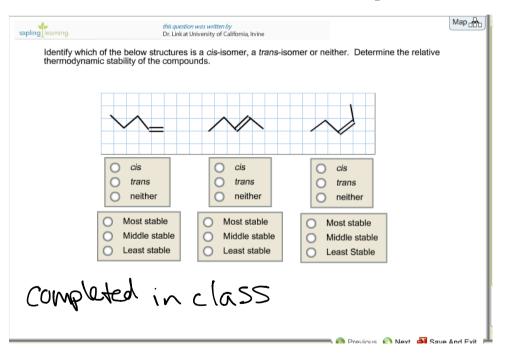
- · To alkyl halide > Shl or SHZ
- Strong Nu → SHZ
- · polar protic solvent => better for SNI but SHZ possible

Make a flow chart!

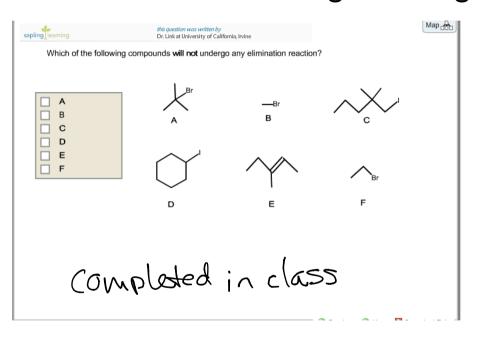
How do you decide if it's S_NI or S_N2 ? What should you ask yourself first? Then what?

Make sure you to this yourself!

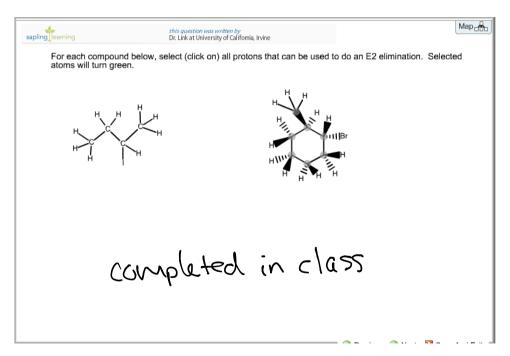
Alkene Stability



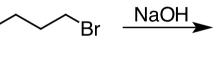
Less than half of the class got this right!



Reading Quiz Question



Draw elimination product(s), mechanism, and transition state



completed in class

Draw elimination mechanism and product(s)

completed in class

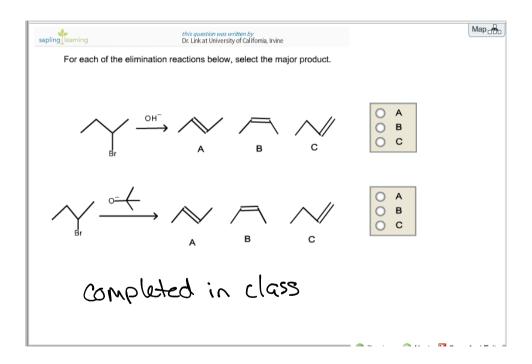
Hint: Newman projection useful!

Draw elimination product(s)

(1R,2R)-1-bromo-2-methylcyclohexane with potassium hydroxide

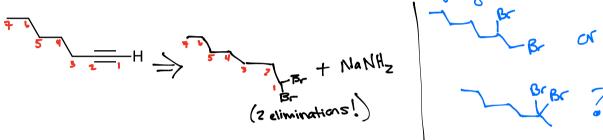
completed in class

Base Matters!

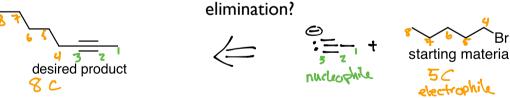


Synthesis questions

How would you synthesize this compound using elimination?



Show a synthesis route for this compound from the given starting material. Can you use



Product has more carbons than starting material. con't use elimination. Must use substitution.