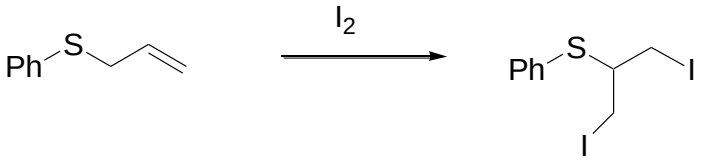
Mechanisms Quiz #4 **20 points** NAME:_____

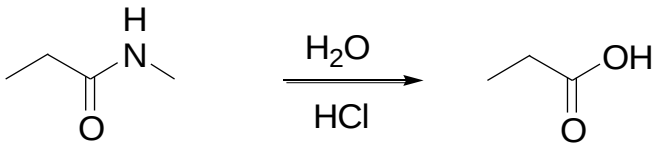
Four questions for 5 points each

1) List the four things that can happen to a carbocation.

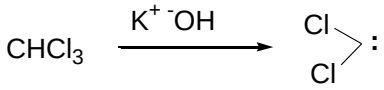
2) Write the mechanism for the following addition reaction that includes a rearrangement.

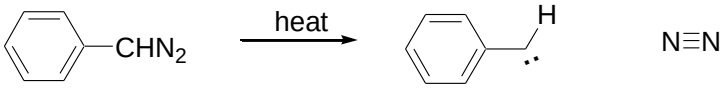


3) Write the mechanism for the hydrolysis of an amide into a carboxylic acid, paying special attention to the acidic reaction conditions.



4) Write mechanisms which show how the following two carbenes are generated.





Mechanisms Quiz #4 **20 points** NAME:_____

Four questions for 5 points each

1) List the four things than can happen to a carbocation.

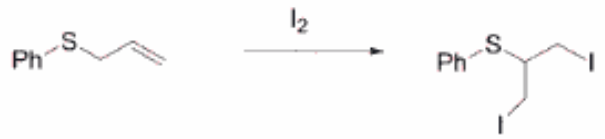
1) React with original leaving Group to reform the starting material.

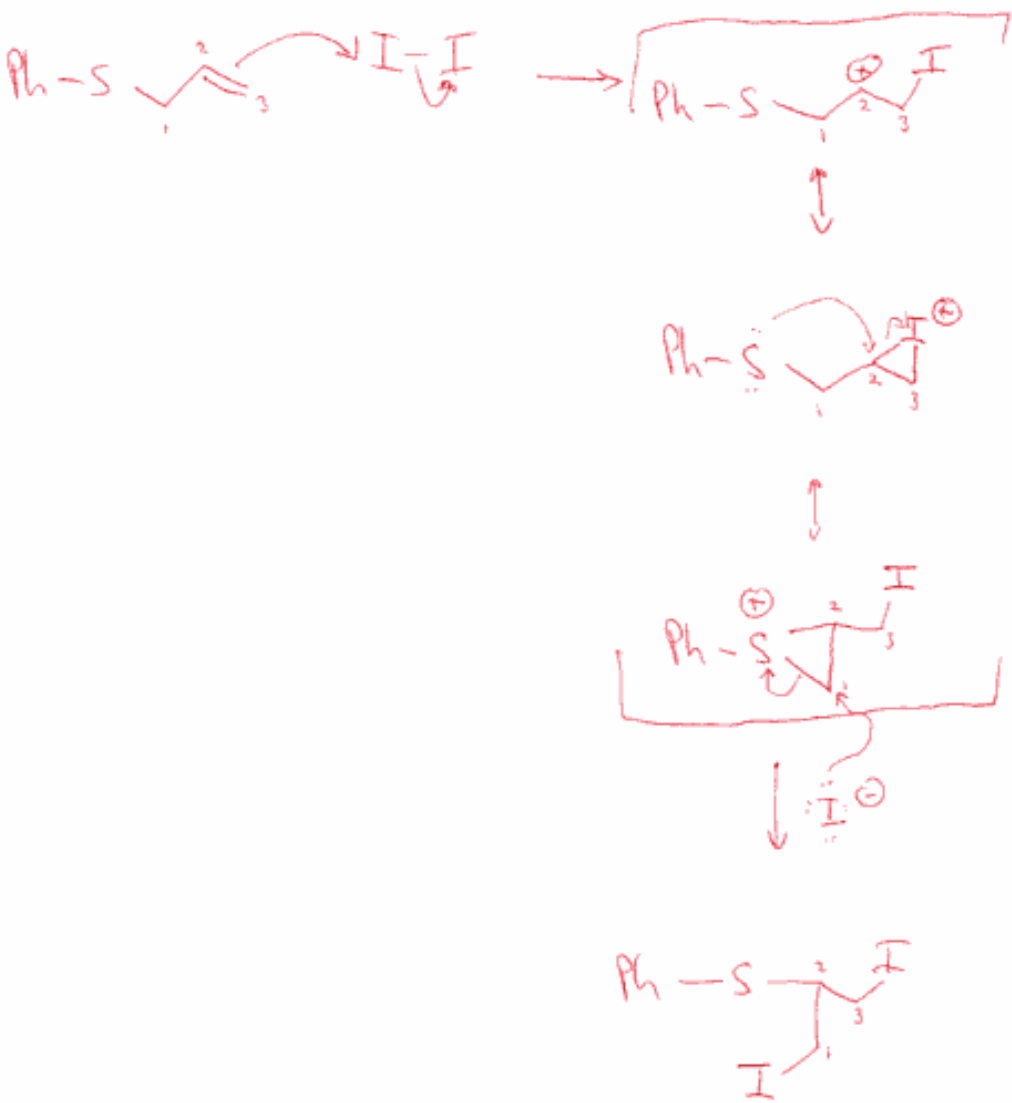
2) React with a Nucleophile to give a substitution product

3) Lose a H^+ to give an Elimination product.

4) Rearrange to another cation.

2) Write the mechanism for the following addition reaction that includes a rearrangement.





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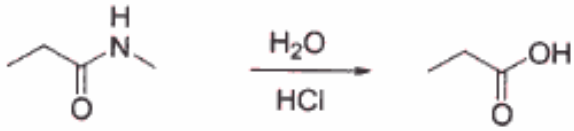

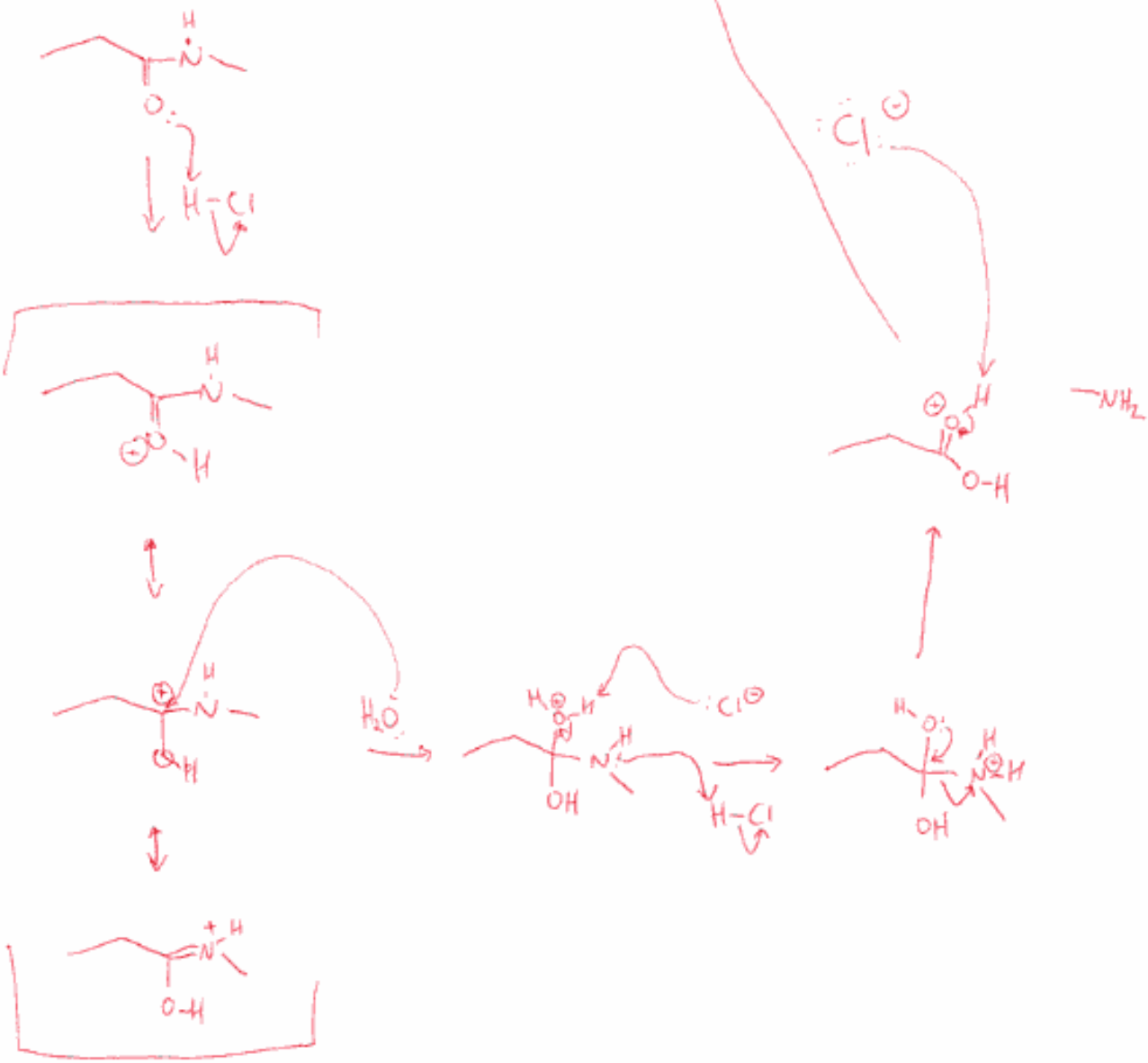

4) Write mechanisms which show how the following two carbenes are generated.