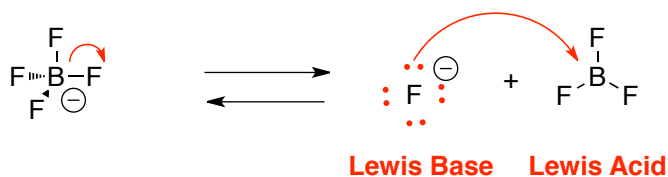


Quiz 2. Monday Afternoon

Name:

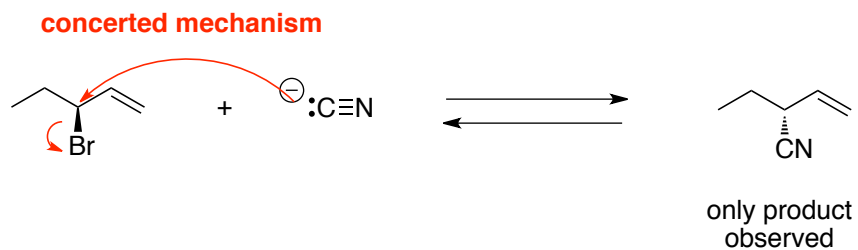
1a) For the following reaction, label the Lewis acid and the Lewis base. Show a mechanism using curved arrows to show the interconversion (both directions). (4 points)



1b) Which way do you think the equation would favor, and explain your answer. (2 points)

To the Left - Boron has full octet, whereas on the right it does not

2) The following is a substitution reaction. Given the outcome of this reaction, would this reaction classify as an SN1 or SN2 reaction? Using curved arrows, show a mechanism that is consistent with your classification (4 points)



Inversion of Stereochemistry is an attribute of SN2 reactions. SN1 would have provided mixture of enantiomers.