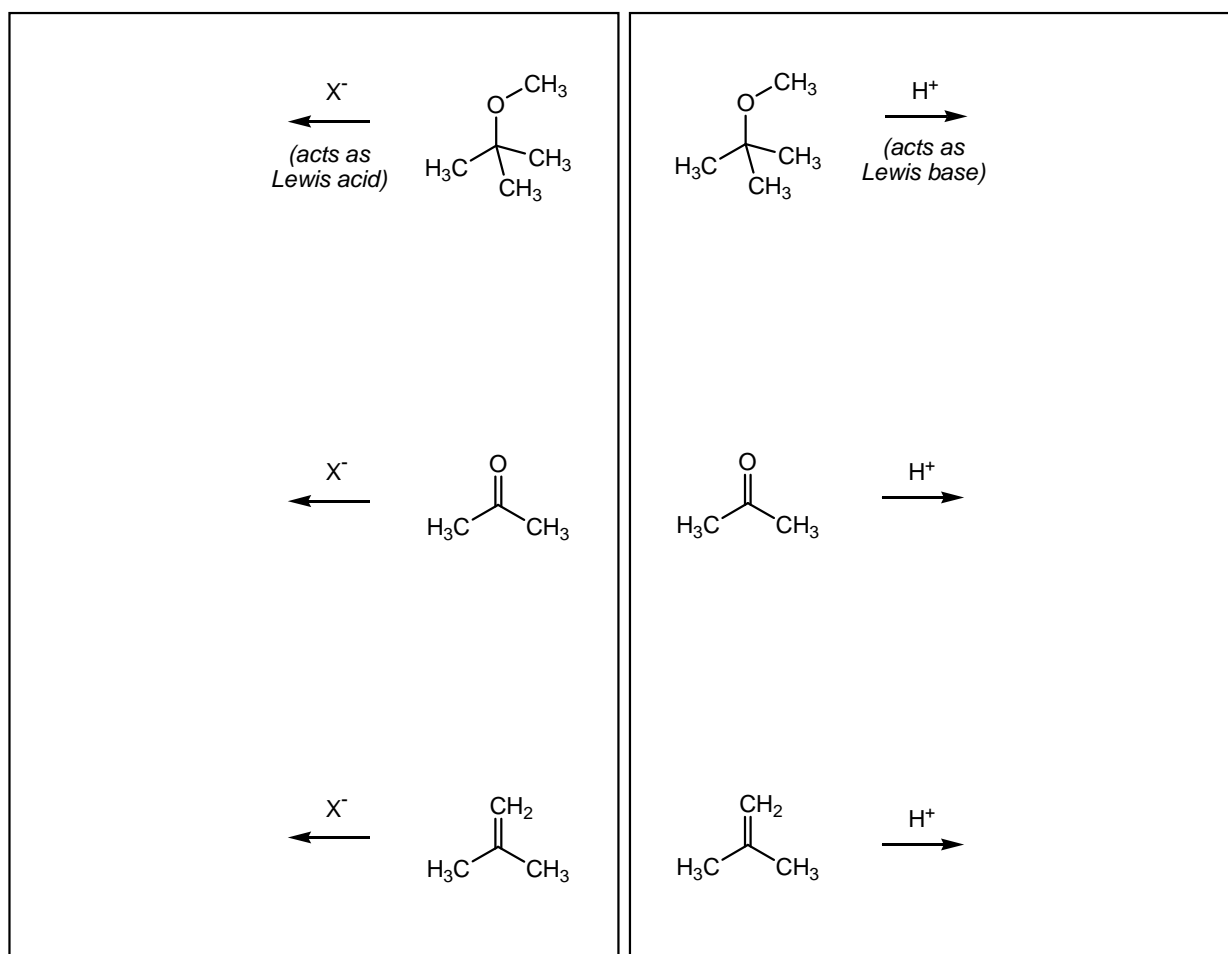


## Section Question 1

(Problems taken from MPOC, Appendix 5.)

1. How might each of the molecules below act as either a Lewis base (by donating two electrons) or a Lewis acid (by accepting two electrons)? Using "arrow pushing", show how the reaction might proceed for each reaction pathway. In each instance, would you consider the reaction likely or unlikely?



2. For the reaction shown below, propose a multi-step, arrow-pushing mechanism.

