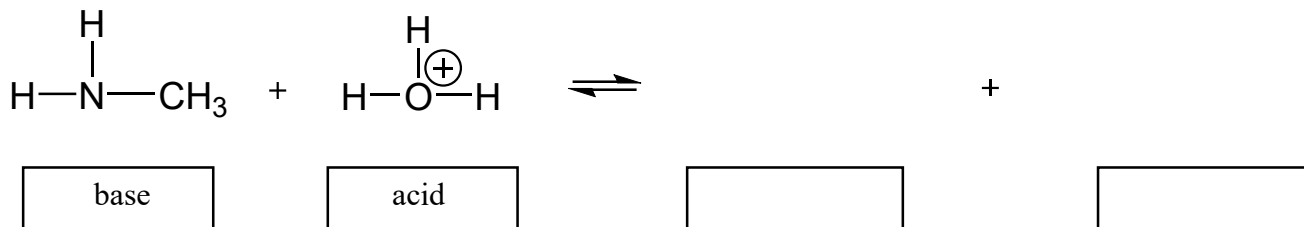


Page 6 (15 pts) Acid/base equilibrium.



- a) Add missing lone pairs to the Lewis structures given and draw the products expected for the above Bronsted-Lowry acid/base reaction.
- b) In the boxes provided, **label** each of the products drawn. (*e.g.*, acid, base, conj. acid, conj. base)
- c) Using the structures given above, add **curved arrows** to show the reaction mechanism.
- d) To which side does the equilibrium lie (right/forward or left/reverse)? **Explain fully.**