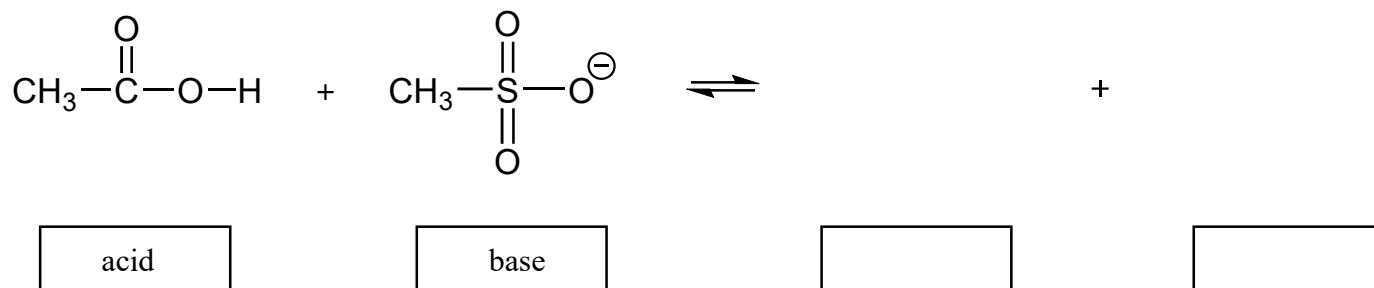


6. (15 pts) Acid/base equilibrium.



- a) **Add missing lone pairs to the Lewis structures** given and **predict 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, and use drawings to support your answer.**