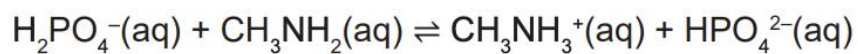


21. Identify a conjugate acid-base pair in the reaction represented by the following equation:



- (a) $\text{H}_2\text{PO}_4^-(\text{aq})$ and $\text{CH}_3\text{NH}_2(\text{aq})$
- (b) $\text{CH}_3\text{NH}_3^+(\text{aq})$ and $\text{HPO}_4^{2-}(\text{aq})$
- (c) $\text{H}_2\text{PO}_4^-(\text{aq})$ and $\text{HPO}_4^{2-}(\text{aq})$
- (d) $\text{H}_2\text{PO}_4^-(\text{aq})$ and $\text{CH}_3\text{NH}_3^+(\text{aq})$