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Question Vault

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Each of the following reactions is in water. Which one of the following reactions is spontaneous ($\Delta G^{\circ} < 0$) as drawn? (Hint: think about the pKa's of the conjugate acids of the bases in these reactions).

(A)
$$CH_3I$$
 + NH_3 \longrightarrow CH_3NH_3 + I^{\odot}

(D)
$$CH_3CH_2NH_2$$
 + NaI \longrightarrow CH_3CH_2I + NaNH₂

- (E) None of the above
- \circ (A) \circ (B) \circ (C) \circ (D) \circ (E)

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