

CHEMISTRY

BOOKS - GRB CHEMISTRY (HINGLISH)

IONIC EQUILIBRIUM

Others

1. The following equilibrium is established when hydrogen

chloride is dissolved in acetic acid

$$HCl(aq) + CH_3COOH(aq) \Leftrightarrow Cl^-(aq) + CH_3COOH_2^+(aq)$$

The set that characterises the conjugate acid-base pairs is:

A. (HCl, CH_3COOH) and $(CH_3COOH_2^+, Cl^-)$

- B. $(HCl, CH_3COOH_2^+)$ and (CH_3COOH, Cl^-)
- C. $(CH_2COOH_2^+, HCl)$ and (Cl^-, CH_3COOH)
- D. (HCl, Cl^{-}) and $(CH_3COOH_2^{+}, CH_3COOH)$

Answer: D



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