- 8. Which of the following equation/s demonstrate/s the Arrhenius model of acids and bases?
 - $HC\ell(aq) \rightarrow H^{+}(aq) + C\ell^{-}(aq)$ (i)
 - $CH_3COOH(aq) + H_2O(\ell) \rightarrow CH_3COO^-(aq) + H_3O^+(aq)$ $KOH(aq) \rightarrow K^+(aq) + OH^-(aq)$ (ii)
 - (iii)
 - $H_2PO_3^-(aq) + H_3O^+(aq) \rightarrow H_2O(\ell) + H_3PO_4(aq)$ (iv)
 - i, ii, iii and iv (a)
 - i only (b)
 - ii and iii only (c)
 - (d) i and iii only