

## Acids and Bases

161. Would gaseous  $HCl$  be considered as an Arrhenius acid
- (a) Yes
  - (b) No
  - (c) Not known
  - (d) Gaseous  $HCl$  does not exist

162. Which one of the following is called amphoteric solvent
- (a) Ammonium hydroxide
  - (b) Chloroform
  - (c) Benzene
  - (d) Water

163. Strongest conjugate base is
- (a)  $Cl^-$
  - (b)  $Br^-$
  - (c)  $F^-$
  - (d)  $I^-$

164. The conjugate base of  $H_2PO_4^-$  is
- (a)  $H_3PO_4$
  - (b)  $P_2O_5$
  - (c)  $PO_4^{3-}$
  - (d)  $HPO_4^{2-}$

165. Conjugate base of  $HSO_4^-$  is
- (a)  $SO_4^{2-}$
  - (b)  $H_2SO_4$
  - (c)  $H_3SO_4^+$
  - (d) None of these

