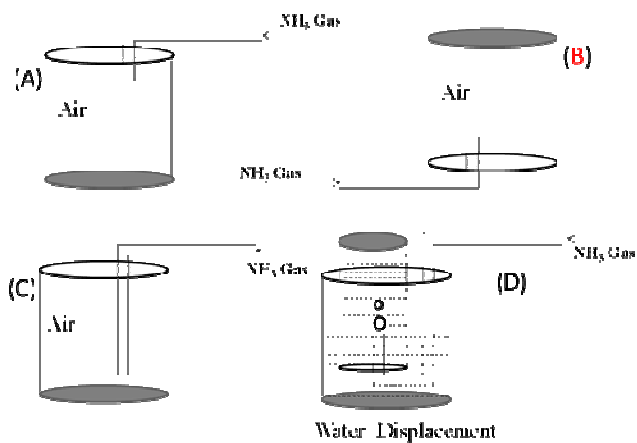


CHEMISTRY

41. Silver nitrate (AgNO_3) solution with sodium chloride (NaCl) forms a white colloidal AgCl . Predict the charge on the colloidal AgCl when the amount of AgNO_3 is lower than the amount of NaCl .
- (A) Neutral (B) Positive
(C) Negative (D) Zwitter ionic
42. Identify the correct diagram from the following figures that is suitable to fill up the gas jar with ammonia gas



43. How easily can you confirm the presence of charcoal powder in MnO_2 ?
- (A) Flame test
(B) Dry test tube heating
(C) Addition of water
(D) Heating on a charcoal block
44. Predict the pH of an aqueous solution of 10^{-8} M HCl .
- (A) 8.0 (B) >8.0 (C) <7.0 (D) 0