

2010 AP[®] CHEMISTRY FREE-RESPONSE QUESTIONS (Form B)

- (b) Excess concentrated aqueous ammonia is added to a solution of nickel(II) nitrate, leading to the formation of a complex ion.

(i) Balanced equation:

(ii) Which of the reactants acts as a Lewis acid?

- (c) Methylamine (CH_3NH_2) is added to a solution of hydrochloric acid.

(i) Balanced equation:

(ii) Methylamine dissolves in water to form a solution. Indicate whether this solution is acidic, basic, or neutral.
