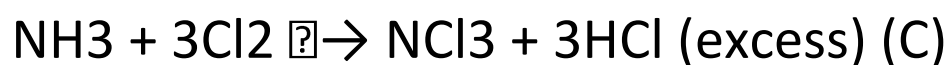


32. Why does copper not replace hydrogen from acids?

32. Cu shows positive E value.

38. When a brown compound of manganese (A) is treated with HCl it gives a gas (B). The gas taken in excess, reacts with NH_3 to give an explosive compound (C). Identify compounds A, B and C.

38. A = MnO_2 B = Cl_2 C = NCl_3



45. When orange solution containing $\text{Cr}_2\text{O}_7^{2-}$ ion is treated with an alkali, a yellow solution is formed and when H^+ ions are added to yellow solution, an orange solution is obtained. Explain why does this happen?

