16. (a) Referring to Tables 45-3 and 45-4, we find the strangeness of K^0 is $+1$, while it is zero for both π^+ and π^-. Consequently, strangeness is not conserved in this decay; $K^0 \rightarrow \pi^+ + \pi^-$ does not proceed via the strong interaction.

    (b) The strangeness of each side is -1, which implies that the decay is governed by the strong interaction.

    (c) The strangeness or Λ^0 is -1 while that of $p + \pi^-$ is zero, so the decay is not via the strong interaction.

    (d) The strangeness of each side is -1; it proceeds via the strong interaction.