- 19. What can be concluded from the statement $K_w = [H^+][OH^-] = 1.0 \times 10^{-14}$ at 25 °C?
 - (a) Pure water has a pH of 14.
 - (b) Pure water does not react with acids or bases.
 - (c) The concentration of hydrogen and hydroxide ions is not equal.
 - (d) The concentration of hydrogen ions is 1.0×10^{-7} mol L⁻¹.