- 19. In which of the following reactions would there be no visible reaction at 25 °C?
 - (a) A solid iron strip is placed in a solution of 1.00 mol L⁻¹ copper(II) sulfate.
 - Bromine water and 2,3-dimethylbut-2-ene are shaken together. (b)
 - Chlorine gas is bubbled through a solution of 1.00 mol L⁻¹ potassium iodide. (c)

 - 1.00 mol L⁻¹ potassium dichromate and 1.00 mol L⁻¹ acetic acid are mixed (d) together.