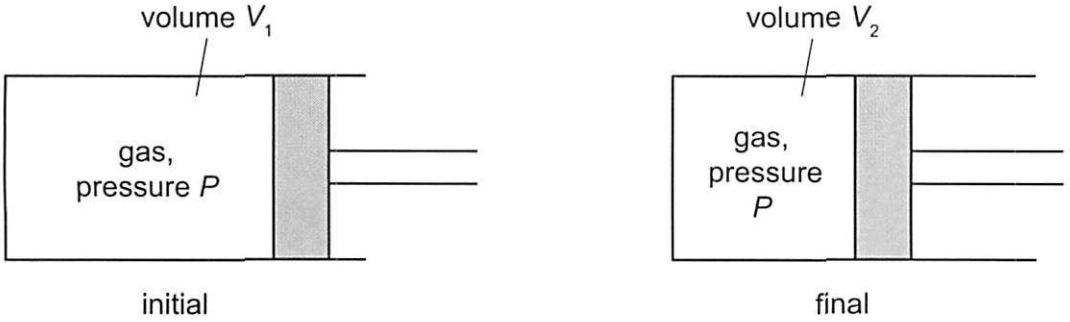
14 A gas is enclosed in a cylinder fitted with a piston. Initially the volume of the gas is V_1. The gas is then cooled and the piston moves inwards in order to keep the pressure of the gas constant. The volume of the gas is reduced to V_2.



Which represents the amount of work done on the gas?

A PV_1 **B** PV_2 **C** $P(V_1 - V_2)$ **D** $P(V_2 - V_1)$