11 The number of hydrogen molecules per cm^3 in a container is 6.80×10^{15}. The root-mean-square speed of the molecules is 1.90×10^3 m s^{-1}. The mass of one mole of hydrogen molecule is 2.02 g.

What is the pressure exerted by the gas in the container?

A   0.014 Pa

B   26 Pa

C   27 Pa

D   82 Pa