

- 21** Two solid substances P and Q have atoms of mass M_P and M_Q respectively. They have N_P and N_Q atoms per unit volume.

It is found by experiment that the density of P is greater than that of Q.

Which of the following deductions from this experiment must be correct?

A $M_P > M_Q$

B $N_P > N_Q$

C $M_P N_P > M_Q N_Q$

D $\frac{M_P}{N_P} > \frac{M_Q}{N_Q}$