

- 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.

The density of P is greater than the density of Q.

What **must** be correct?

- A $M_P > M_Q$
- B $n_P > n_Q$
- C $M_P n_P > M_Q n_Q$
- D $\frac{M_P}{n_P} > \frac{M_Q}{n_Q}$

- 22 The table summarises some descriptions of evaporation.

Which row of the table is correct?

	involves a change in state from liquid to vapour	occurs at a fixed temperature	involves a reduction in the average kinetic energy of the remaining atoms
A	true	true	true
B	true	false	true
C	true	false	false
D	false	true	false

Space for working