

- 9** An isolated container is divided into two sections of equal volumes by a partition. The ideal gas in each section has the same pressure P .

What is the final pressure after the partition is removed?

A $\frac{1}{2}P$

B P

C $\frac{3}{2}P$

D $2P$

- 10** A fixed-volume container contains a mixture of two monoatomic gases X and Y at the same