

29 An organ pipe of length l is open at both ends. Notes are produced by the pipe when stationary waves are set up.

The speed of sound in the air column is v .

What is the lowest (fundamental) frequency of the note produced by the pipe?

A $\frac{2v}{l}$

B $\frac{v}{l}$

C $\frac{v}{2l}$

D $\frac{v}{4l}$

30 Interference fringes are produced on a screen by double-slit interference using light of