

28 A musical organ produces notes by blowing air into a set of pipes that are open at one end and closed at the other.

What is the lowest frequency of sound produced by a pipe of length 10 m?
(The speed of sound in the pipe is 320 m s^{-1} .)

A 4 Hz

B 8 Hz

C 16 Hz

D 32 Hz

29 Monochromatic light is directed at a diffraction grating as shown