

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

The speed of sound in the air in the pipes is  $320 \text{ m s}^{-1}$ .

What is the lowest frequency of sound produced by a pipe of length  $2.0 \text{ m}$ ?

- A**      $20 \text{ Hz}$                       **B**      $40 \text{ Hz}$                       **C**      $80 \text{ Hz}$                       **D**      $160 \text{ Hz}$

