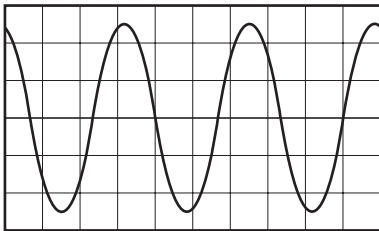


- 23** A sound wave is detected by a microphone that is connected to a cathode-ray oscilloscope (CRO).

The screen of the CRO displays a waveform, as shown.



The time-base is set to $20\ \mu\text{s div}^{-1}$.

What is the frequency of the sound wave?

- A** 15 Hz **B** 15 000 Hz **C** 20 000 Hz **D** 30 000 Hz