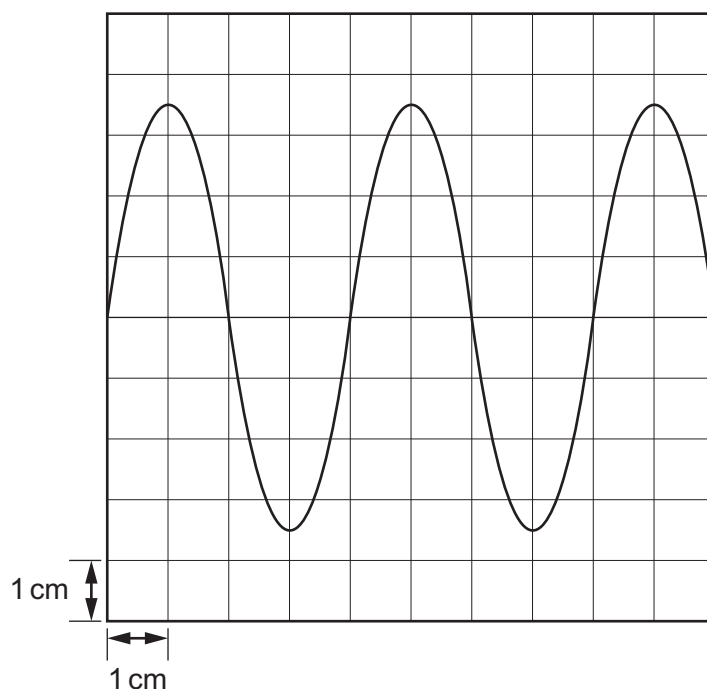


- 25 A sound wave is detected by a microphone and displayed on the screen of a cathode-ray oscilloscope (CRO).



The frequency of the wave is 2.5 kHz.

What is the setting on the time-base of the CRO?

- A** 0.1 ms cm^{-1} **B** 0.4 ms cm^{-1} **C** 0.1 s cm^{-1} **D** 0.4 s cm^{-1}
- 26 A source of sound waves with constant frequency moves towards a stationary observer.
- The observer compares the sound waves arriving at the observer's position with the waves emitted by the source of sound.
- What is detected by the observer?
- A** a decreased frequency of the sound waves
B no change in frequency of the sound waves
C a decreased wavelength of the sound waves
D no change in wavelength of the sound waves
- 27 Which type of waves **cannot** be polarised?
- A** radio waves
B sound waves
C ultraviolet waves
D X-rays