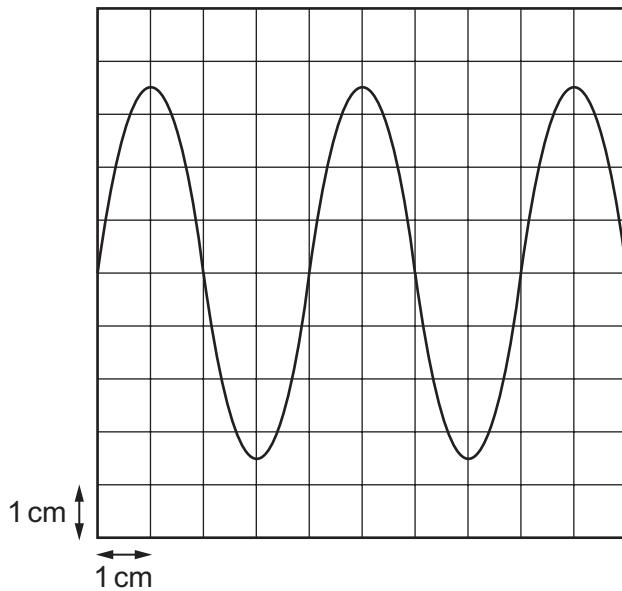


- 3 A cathode-ray oscilloscope (c.r.o.) is connected to an alternating voltage. The following trace is produced on the screen.



The oscilloscope time-base setting is  $0.5 \text{ ms cm}^{-1}$  and the Y-plate sensitivity is  $2 \text{ V cm}^{-1}$ .

Which statement about the alternating voltage is correct?

- A The amplitude is 3.5 cm.
- B The frequency is 0.5 kHz.
- C The period is 1 ms.
- D The wavelength is 4 cm.

**Space for working**