

**25** Electromagnetic waves of wavelength  $\lambda$  and frequency  $f$  travel at speed  $c$  in a vacuum.

Which of the following describes the wavelength and speed of electromagnetic waves of frequency  $f/2$ ?

	wavelength	speed in a vacuum
<b>A</b>	$\lambda/2$	$c/2$
<b>B</b>	$\lambda/2$	$c$
<b>C</b>	$2\lambda$	$c$
<b>D</b>	$2\lambda$	$2c$

**26** A sound wave is displayed on the screen of a cathode ray oscilloscope. The time base of the oscilloscope is set to 10 ms/cm. The wave is shown as follows.