

- 24** Electromagnetic waves of wavelength λ and frequency f travel at speed c in a vacuum.

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

	wavelength	speed in a vacuum
A	$\lambda/2$	$c/2$
B	$\lambda/2$	c
C	2λ	c
D	2λ	$2c$

- 25** When the liquid crystal display of a calculator is observed through a polarising film, the display changes as the film is rotated.

Which property describes the radiation from the calculator display?

- A** unpolarised
- B** a longitudinal wave
- C** a transverse wave
- D** a wave with a 3 cm wavelength

Space for working