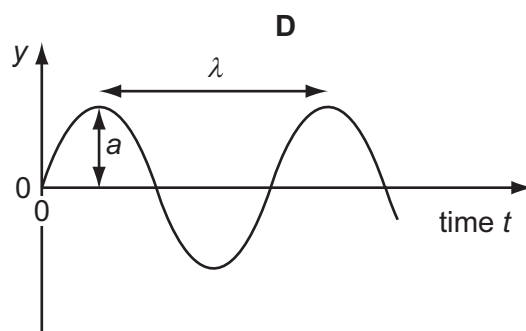
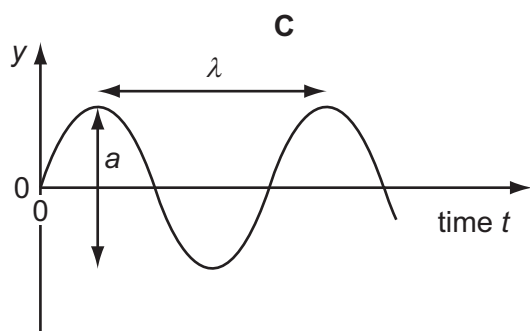
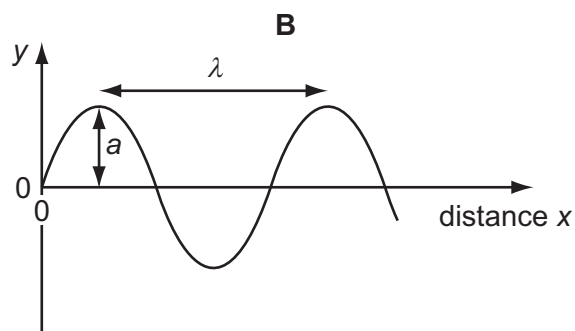
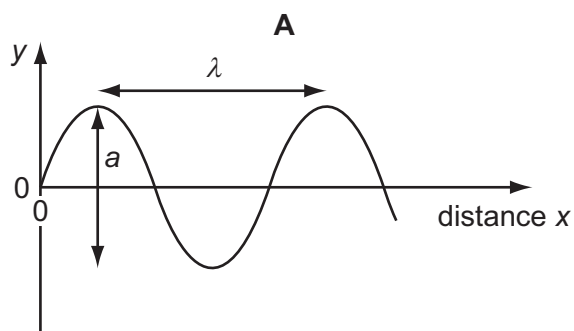


- 26** A sound wave has displacement  $y$  at distance  $x$  from its source at time  $t$ .

Which graph correctly shows the amplitude  $a$  and the wavelength  $\lambda$  of the wave?



- 27** A parallel beam of red light of wavelength 700 nm is incident normally on a diffraction grating that has 400 lines per millimetre.

What is the total number of transmitted maxima?

- A** 3                      **B** 4                      **C** 6                      **D** 7

**Space for working**