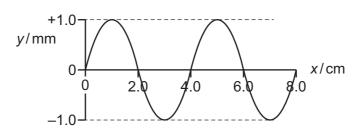
22 A transverse wave in a medium has the waveform shown, where

y = vertical displacement and <math>x = horizontal distance.

The speed of the wave is $20.0 \,\mathrm{cm}\,\mathrm{s}^{-1}$.



A particle of the medium oscillates vertically.

Which graph of vertical displacement *y* against time *t* best represents the motion of this particle?

