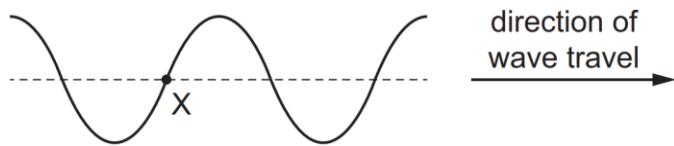


- 15 A transverse wave travels along a rope. The diagram shows the rope at time  $t = 0$ .

The wave is travelling from left to right. The period of the wave is  $T$ .



One particle of the rope is labelled X.

Which graph shows the variation with time of the displacement of particle X between  $t = 0$  and  $t = 2T$ ?

