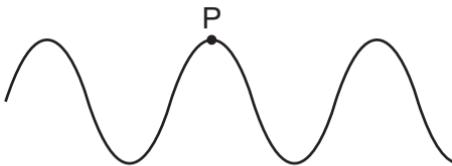


- 26** A transverse water wave has a frequency of 15 Hz, a wavelength of 0.12 m and an amplitude of 4.0 mm.

P is a water particle that is initially at the peak of the wave, as shown.



What is the total vertical distance travelled by P in a time of 0.5 s?

A 30 mm

B 60 mm

C 120 mm

D 900 mm