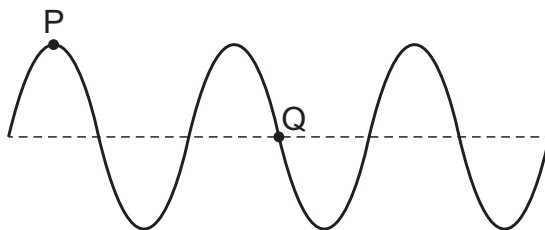


- 25** What is the phase difference between points P and Q on the progressive wave shown in the diagram?

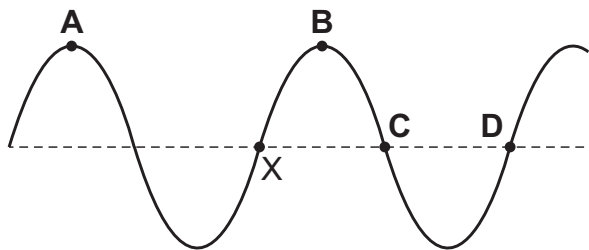


- A** 180° **B** 450° **C** 540° **D** 720°

- 26** The diagram shows a progressive transverse wave on a stretched string at one instant in time.

One point on the string is labelled X.

Which point on the string is 270° out of phase with X?



- 25** A progressive wave of frequency 300 Hz is travelling with a speed of 600 m s^{-1} .

What is the phase difference between two points on the wave that are a distance of 0.50 m apart?

- A** 45° **B** 90° **C** 180° **D** 360°