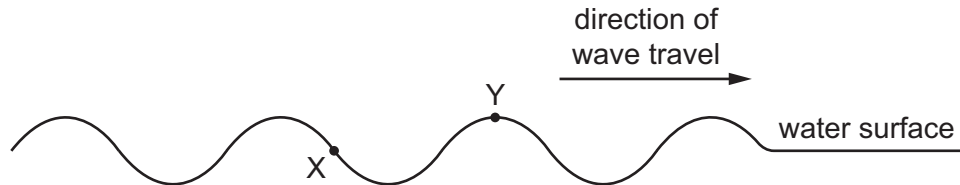


- 20** X and Y are two points on the surface of water in a ripple tank. A source of constant frequency generates a wave which travels past X and Y, causing them to oscillate vertically.



What is the phase difference between X and Y?

- A**  $45^\circ$                       **B**  $135^\circ$                       **C**  $180^\circ$                       **D**  $270^\circ$