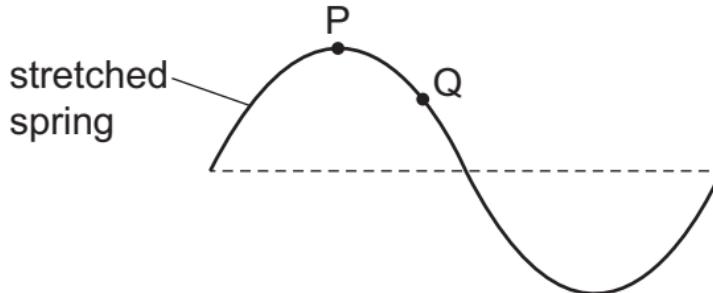


29 The diagram shows a stationary wave on a stretched spring at an instant in time.



Two particles on the spring, P and Q, are shown.

Which statement about the vibrations of P and Q is correct?

- A They have different frequencies.
- B They have the same amplitudes.
- C They have different periods.
- D They are always in phase.