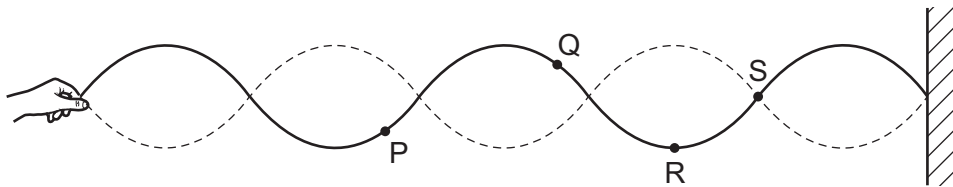


29 A stationary wave is set up on a stretched string, as shown.



Which statement about the points on the string is correct?

- A** Point Q vibrates with the largest amplitude.
- B** Points P and R vibrate in phase.
- C** Point S is an antinode.
- D** The horizontal distance between R and S is half the wavelength.

30 Monochromatic light is incident on a diffraction grating and a diffraction pattern is observed.