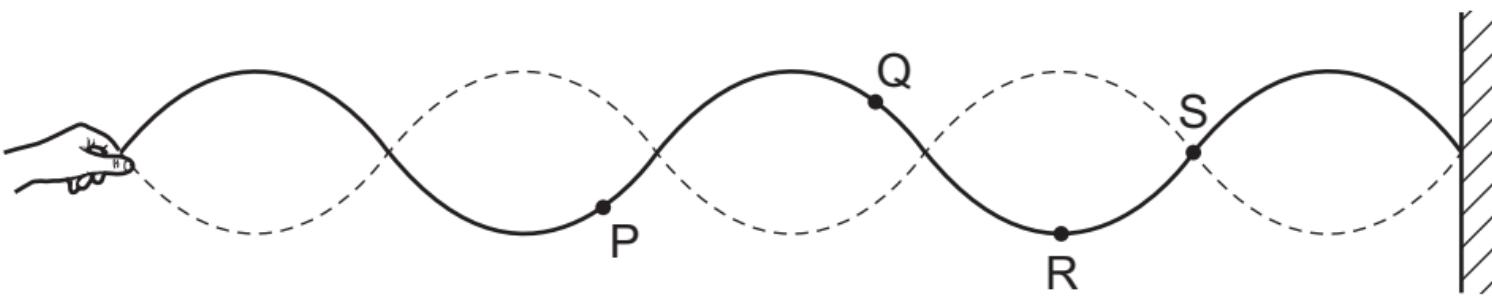


29 A stationary wave is set up on a stretched string, as shown.



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.