

- 17** Which one of the following correctly compares characteristics of progressive and stationary waves on a string?

	progressive waves	stationary waves
A	Every point on the wave oscillates with the same amplitude	Amplitude of a point on the wave varies with position along the wave
B	Separation between two adjacent points of corresponding phase is one wavelength	Separation between a node and the adjacent antinode is half a wavelength
C	Adjacent points on the string oscillates in phase.	Adjacent points on the string oscillates out of phase.
D	Energy at any point changes from kinetic to potential and back again	Energy at the antinode is always kinetic