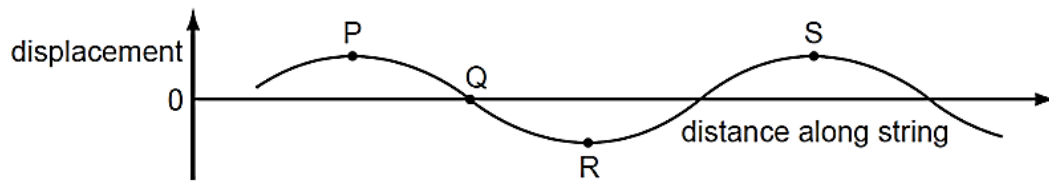


- 16** The graph shows the shape at a particular instant of part of a transverse wave travelling along a string.



Which statement about the motion of points in the string is correct?

- A** The speed at point P is a maximum.
- B** The displacement at point Q is always zero.
- C** The energy at point R is entirely kinetic.
- D** The acceleration at point S is a maximum.

- 17** The graph shows the displacement of a particle in a transverse wave at a particular instant. The vertical axis is labeled 'displacement' and the horizontal axis is labeled 'distance along string'.