

**19** A standing wave is set up on a rope of length 1.0 m fixed at both ends.

Which statement is correct?

- A** The fundamental mode has a wavelength of 1.0 m.
- B** The midpoint of the rope is always stationary.
- C** There are two nodes on the rope when the fundamental frequency is doubled.
- D** A standing wave of wavelength 0.4 m may be set up on the rope.