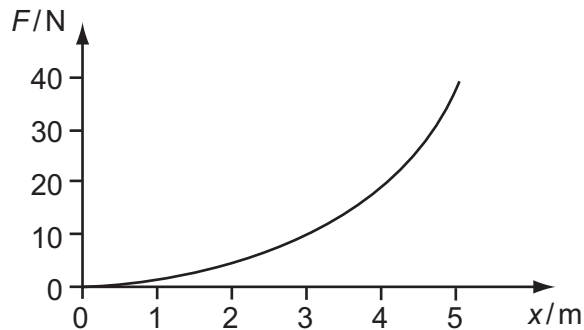


**23** The force  $F$  required to extend a sample of rubber by a distance  $x$  is found to vary as shown.



The energy stored in the rubber for an extension of 5 m is

- A** less than 100 J.
- B** 100 J.
- C** between 100 J and 200 J.
- D** more than 200 J.

**24** Which of the following is a longitudinal wave?