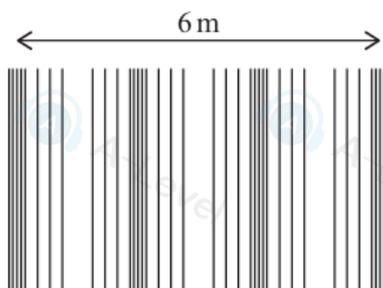


2 The diagram represents a longitudinal wave.

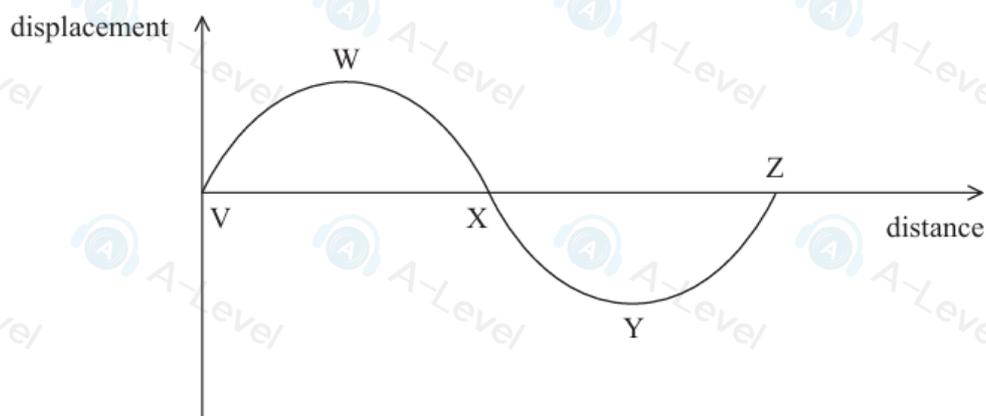


Which of the following is the wavelength of the wave?

- A 2 m
- B 3 m
- C 4 m
- D 6 m

(Total for Question 2 = 1 mark)

10 A sound wave travels through air. The diagram represents the displacement of air particles along the wave at an instant in time.



There is a compression at position V.

At which position is there also a compression?

- A W
- B X
- C Y
- D Z

(Total for Question 10 = 1 mark)

8 Waves may be longitudinal or transverse.

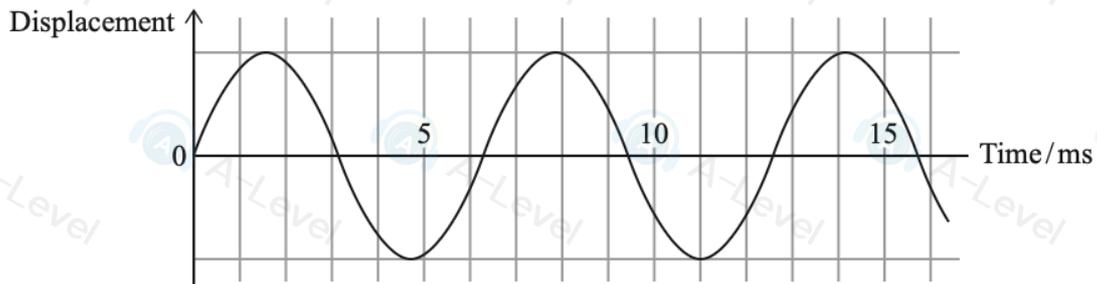
Which of the following statements is correct?

- A All transverse waves travel at the same speed.
- B All transverse waves have vibrations that are parallel to the direction of wave travel.
- C Both transverse and longitudinal waves can be refracted.
- D No transverse waves can travel through liquids.

(Total for Question 8 = 1 mark)



5 The graph shows how displacement varies with time for a particular point as a wave passes.



Which of the following statements is **not** correct?

- A The time period can be determined directly from the graph.
- B The wavelength can be determined directly from the graph.
- C The wave could be longitudinal.
- D The wave could be transverse.

(Total for Question 5 = 1 mark)

