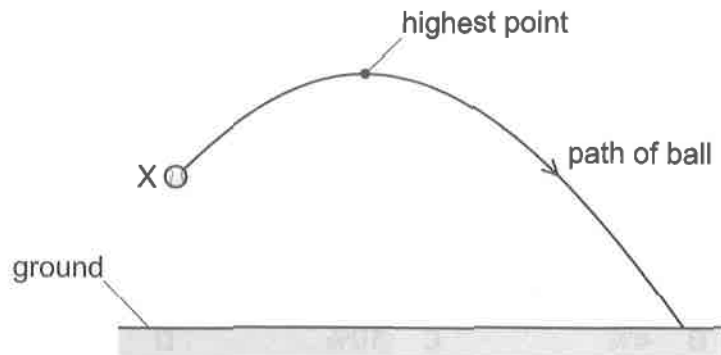


5 A tennis ball is hit at point X and then follows the path shown.



The air resistance on the ball is negligible.

How is the ball moving at its highest point?

- A It has zero velocity both vertically and horizontally.
- B It has zero acceleration vertically and non-zero velocity horizontally.
- C It is accelerating vertically and has zero velocity horizontally.
- D It is accelerating vertically and has non-zero velocity horizontally.

6 The velocity-time graph for a car leaving an expressway is shown