

- 3 A ball is kicked upwards at an angle of 30° to the horizontal ground. After a short flight, the ball returns to the ground. It may be assumed that air resistance is negligible.

Which of the following is **never** zero during the flight?

- A horizontal component of the ball's acceleration
- B vertical component of the ball's velocity
- C vertical component of the ball's momentum
- D horizontal component of the ball's velocity