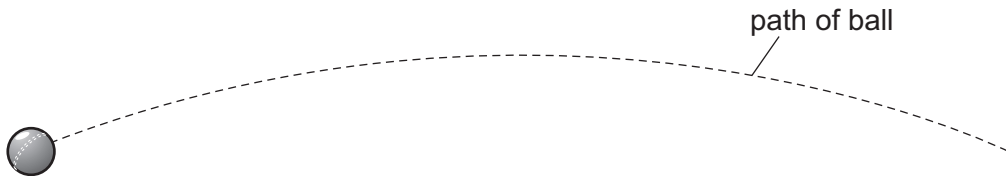


- 8 A ball is thrown across a flat field.



Which statement describes the motion of the ball, when the effects of air resistance are ignored?

- A** The ball lands with the same velocity at which it is thrown.
- B** The horizontal component of acceleration is constant throughout the motion.
- C** The horizontal and vertical components of acceleration are both zero at the highest point of the motion.
- D** The horizontal and vertical components of velocity are both zero at the highest point of the motion.