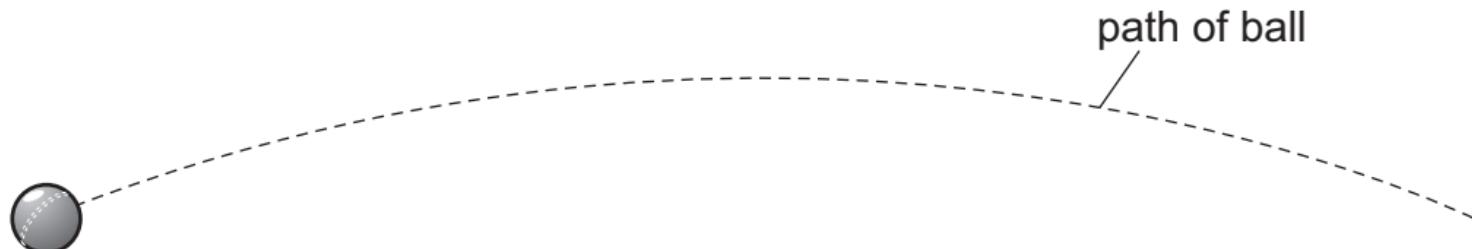


- 8 A ball is thrown across a flat field.



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.