

- 6** A ball is thrown horizontally off a tall building. The ground is horizontal. Air resistance is negligible.

Which statement about the motion of the ball is correct?

- A** The acceleration of the ball is always at right angles to the path of the ball.
- B** The ball follows a circular path until it hits the ground.
- C** The ball has constant acceleration.
- D** The ball's time in the air is proportional to the velocity at which the ball is thrown.