

16 A ball is thrown vertically upwards.

Neglecting air resistance, which statement is correct?

- A The kinetic energy of the ball is greatest at the greatest height attained.
 - B By the principle of conservation of energy, the total energy of the ball is constant throughout its motion.
 - C By the principle of conservation of momentum, the momentum of the ball is constant throughout its motion.
 - D The potential energy of the ball increases uniformly with time during the ascent.