

15 A ball is thrown vertically upwards. Air resistance is negligible.

Which statement is correct?

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