

17 A ball is thrown vertically upwards from the surface of the Earth.

Which statement describes the energy of the ball as it rises through the air?

- A** The kinetic energy of the ball decreases as the gravitational potential energy decreases.
- B** The kinetic energy of the ball decreases as the gravitational potential energy increases.
- C** The kinetic energy of the ball increases as the gravitational potential energy decreases.
- D** The total energy of the ball increases.