

9 Which statement about a perfectly elastic collision between two bodies in an isolated system is correct?

- A** Both total kinetic energy and total momentum are conserved.
- B** Total kinetic energy is conserved, but total momentum is not conserved.
- C** Total momentum is conserved, but total kinetic energy is not conserved.
- D** Neither total kinetic energy nor total momentum is conserved.

10 Two spheres approach each other along the same straight line. Their speeds are v_1 and v_2 .