5 Two spheres of masses M and m are moving directly towards one another with speeds V and v respectively, as shown.

The product MV is greater than the product mv.

The spheres collide elastically.

Why is it impossible for both spheres to be at rest at the same time?

A Energy is always conserved in this collision.

B The spheres are moving in opposite directions.

C The spheres have unequal masses.

D Momentum is always conserved.